

Nº 14.

Oct r 13<sup>th</sup> 1889.

Mc h 24<sup>th</sup> 1890.

D r 3097 ± 3168.

H y d - 2147 ± 2175.

Sigebw.

~~46.09~~  
~~175~~  
~~34~~  
~~3~~  
~~44~~

4609 Turns on reel

Correction Table, No 2 Rule Correction 235

Cor. Turns.	Cor. Turns.	Cor. Turns.
0 50	31 1650	120 3250
0 100	33 1700	123 3300
0 150	35 1750	124 3350
1 200	37 1800	131 3400
1 250	39 1850	135 3450
1 300	41 1900	138 3500
2 350	43 1950	141 3550
2 400	45 2000	145 3600
3 450	47 2050	150 3650
3 500	50 2100	154 3700
4 550	53 2150	158 3750
5 600	55 2200	162 3800
5 650	57 2250	167 3850
6 700	60 2300	171 3900
7 750	63 2350	175 3950
8 800	66 2400	179 4000
9 850	68 2450	184 4050
10 900	71 2500	188 4100
11 950	74 2550	193 4150
12 1000	77 2600	197 4200
13 1050	80 2650	202 4250
14 1100	83 2700	206 4300
15 1150	86 2750	211 4350
16 1200	89 2800	216 4400
18 1250	92 2850	220 4450
19 1300	95 2900	225 4500
21 1350	99 2950	230 4550
22 1400	102 3000	235 4600
24 1450	106 3050	240
25 1500	109 3100	245
24 1550	113 3150	250
29 1600	116 3200	255
4609	418	4609
418	38	340
<u>4191</u>	<u>418</u>	<u>4191</u>
	<u>38</u>	<u>4261</u>
	<u>456</u>	<u>318</u>

135.  
2196.

## Tanner

175.5

## 377 Turns on Rec.

Turns. 16 to 38	+1
39 " 70	+2
71 " 105	+3
106 " 142	+4
143 " 190	+5
191 " 260	+6
261 " 384	+7

## Abbreviations for bottom.

Abb <sup>n</sup>	Equivalent	Abb <sup>m</sup>	Equivalent
C	clay	fne	fine
Co.	coral	hrd.	hard
G.	Gravel	lrg	large
Glob	Globigerina	rky	rocky
cl.	clad.	slt.	soft
Oz	Ooze	sm	small
P.	Pebbles	str	sticky
R.	Rocks.	blk	black
S	Sand	br.	brown
Sh.	Shells.	bu	blue
Sp.	Specks	choc	chocolate
St.	Stones	dk	dark
frk.	broken	gn	green
gr.	gray	rd.	red
lt.	light	slat-	slate
wh.	White	gl.	yellow
crs.	coarse		

4600  
116  
454

Oct 13 '89 309  
Moh 24 "90 3168  
3147  
2175

*W. North*  
No. Hy 2147

Date October 13<sup>th</sup> 89

Scanner Machine. Reel.

Turns 418 Cor. + 2

Depth 60

Shot or lead 26.

Bottom 9m.

Bottom temperature 49.6°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 49.2°

Air 56 Surface 56 Drift.

Trawl or dredge or tangles

P.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.03.00	10.4.40	0		
10.03.30	10.03.10	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

W. H. 1889  
No. Hy 2148 Date October 13<sup>th</sup> 1889  
Tanner Machine. Reel.

Turns 26 Cor. + 1

Depth 27

Shot or lead 26.

Bottom M.

Bottom temperature 53.6°

No. of Thermometer 51451 Cor. -0.2°

Corrected temperature 53.3°

Air 56 Surface 56 Drift.

Trawl or dredge or tangles

P.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.40.00	10.4.30	0		
10.40.30	10.40.40	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

W.M.N.

No. Hy 2149 Date October 13-89  
Tanner Machine. Reel.

Turn's 22 Cor. + 1 Depth 23

Shot or lead 26

Bottom for a kgy. S.

Bottom temperature

No. of Thermometer 51451 Cor. -

Corrected temperature

Air 66 Surface 63 Drift.

Trawl or dredge or tangles

P.M., SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1126.00	1127.30	0		
1126.30	1126.40	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. N.Y. 2150 Date Oct 14/189

Machine. Reel.

Turns 348 Cor. + 11 Depth 358

Shot or lead 2.6 lbs.

Bottom 111

Bottom temperature 41.2

No. of Thermometer 5145, Cor. -0.3°

Corrected temperature 41.7°

Air 56 Surface 55 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
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		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
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2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. Hy. 2151 Date Oct 14 1899

Scriber Machine. Reel. 2

Turns (Cor. 1) 5 Depth 15

Shot or lead 5.5 lb.

Bottom 70 fms. + all

Bottom temperature 49.2

No. of Thermometer ✓ 1451 Cor. -0.3°

Corrected temperature 48.9°

Air 56 Surface 55 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
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3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. Tfy 2152 Date Oct 14

Sighter Machine. Reel.

Turns 575 Cor. + 52 Depth

Shot or lead 35 lbs

Bottom 61 m

Bottom temperature 38.8

No. of Thermometer 51451 Cor. - 0.1°

Corrected temperature 38.7°

Air 56 Surface 55 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 217 JUN 1 Date

Machine. --- Reel.

Turns --- Cor. + --- Depth

Shot or lead

Bottom true. M.

Bottom temperature

No. of Thermometer --- Cor.

Corrected temperature

Air 56 Surface 51 Drift. 3/4 m. with

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
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		1700		
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		2000		
		2100		
		2200		
		2300		
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3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Machine. Reel.

Turns — Cor. + Depth  
 Shot or lead 14 lb.  
 Bottom 14 m.  
 Bottom temperature  
 No. of Thermometer Cor.  
 Corrected temperature  
 Air 56° Surface Drift,  $\frac{3}{4}$  m. S. W.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
16.00	15	0		11-35-0
		100	1	35-30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
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3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2027 A

Date Mar 10 '1870.

Machine. — Reel.

Turns 19 Cor. + 1 Depth 200

Shot or lead 1000.

Bottom 1 m. 30.

Bottom temperature 51°.

No. of Thermometer 63 Cor. - 0.2

Corrected temperature 50.8°.

Air 50° Surface Drift. 1/2 N.

Trawl or dredge or tangles.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
08.	09.40	0	0.10	0.10
69.05	70.15	100	1.10	2.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
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2500
2600
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2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3100. ~~87~~ Date 11Cn

Tanner Machine. — Reel.

Turns 28 Cor. + 1 Depth

Shot or lead 20 lb

Bottom Ctd. 6

Bottom temperature 56.6°

No. of Thermometer 63899 Cor. - 0.

Corrected temperature 56.6°

Air 50° Surface 51° Drift. "

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
17.00	3.17.15	90	26	122
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
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		1900		
		2000		
		2100		
		2200		
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2600
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2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TRMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

St. Lucia Bank REMARKS.

St. Lucia 5 W

1000 42.13 1000  
800 42.13 800

600 42.13 600 42.13

Roncador 42.13 1000 42.13

No. 3101 SN Date Mar 10<sup>th</sup> 90

Tanner Machine. — Reel.

Turns 32 Cor. + 1 Depth 33 fms

Shot or lead. 20 lbs

Bottom Yel S.

Bottom temperature 51°

No. of Thermometer 63000 Cor.

Corrected temperature 50.8°

Air 49° Surface 51° Drift. 1 $\frac{1}{2}$ ' S. by E.

Trawl or dredge or tangles.

## SOUNDING WIRE.

TURNS.

## DREDGE ROPE.

DOWN.	UP.	DOWN.	UP.
		0	4.29-30
200	4.56-	100	4-51-16
		200	
		300	
		400	
		500	
		600	
		700	
		800	
		900	
		1000	
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
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		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

2500
2600
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2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3102 Date 7/1/11

Yarnell Machine. Reel.

Turns 26 Cor. + 1 Depth 27. 1.

Shot or lead 20 lbs

Bottom C. & brk. sh

Bottom temperature 52°

No. of Thermometer 63879 Cor.

Corrected temperature 51.8°

Air 44° Surface 51 Drift. 1 mile. 8 1/2 m.

Trawl or dredge or tangtes 6 in.

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

37 41 1.1

0

37 41 1.1

64

37 41 1.1

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

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2600
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3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS.

(5) Anemone ~~Anemone~~ 1.00 in. Coral  
 1.00 in. ~~1.00 in.~~ ~~1.00 in.~~ ~~1.00 in.~~  
 1.00 in. ~~1.00 in.~~ ~~1.00 in.~~ ~~1.00 in.~~

No. 3102 Date Nov. 15<sup>th</sup> 1866

Yacht Machine. Reel.

Turns 62 Cor. + 2 Depth 67

Shot or lead 205

Bottom fine sand

Bottom temperature 58.1°

No. of Thermometer 63.899 Cor. - 0.2°

Corrected temperature 57.9°

Air 14° Surface 14.9° Drift. 2 m. right

Trawl or dredge or tangles 100 - 100 - 100 -

SOUNDING WIRE.		TURNS:	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-46.30	6.42.45	0	6.42.45	
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

*I found a about 800 fathoms, 100 fathoms to the west of the 2000 fathoms.*

No. 3104 Date 11 Apr. 11 12

Sigsbee Machine. 12 Reel.

Turns 340 Cor. + 51 Depth

Shot or lead

Bottom 0.

Bottom temperature

No. of Thermometer 62444 Cor. -0.2

Corrected temperature 40.8°

Air 57.5 Surface 40.5 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

for fish. REMARKS. 2 sps. Macrurus.

sea anemone.

No. 31065 Date Mar. 11, '91.

Yankee Machine. — Reel.

Turns 211 Cor. + 6 Depth 217 fms.

Shot or lead 20 lbs

Bottom fne gy. S.

Bottom temperature 44.4°

No. of Thermometer 63899 Cor. -0.2

Corrected temperature 44.2°

Air 52° Surface 51° Drift. 18.82 m

Trawl or dredge or tangles 1

SOUNDING WIRE.		TURNS.	DREDGE ROPE,	
DOWN.	UP.		DOWN.	UP.
0	0	0	0	6
56.15	59.15	100	7.04.12	1
56.50	58.20	200	12.20	57.66
57.15	857.30	230	16.05	49.05
		300	19.46	45.40
		400	26.60	50.00
		500	31.70	51.10
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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3600
3700
3800
3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

1 Cod, sea urchins, 76° C. (poor)  
 2 m. multicellular shells. 80° C.  
 3 4 m. 2° C. (poor).

No. 3106 ~~dt~~ Date Mar. 11<sup>th</sup> 1890  
 Tanner Machine. Reel.  
 Turns 75 Cor. + 2 Depth 77  
 Shot or lead 20 lbs  
 Bottom ~~for~~ 93.8  
 Bottom temperature not known  
 No. of Thermometer 63899 Cor. -0.2°  
 Corrected temperature —  
 Air 52 Surface 51° Drift. S.E. 1/2  
 Trawl or dredge or tangles —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.50.10	10.52.15	0		0
10.50.45	10.50.16	75	87.7	93.10
		100		
		200	11 11.30	11 20.15
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		1700		
		1800		
		1900		
		2000		
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3100
3200
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3500
3600
3700
3800
3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

Red Rock C. 0d.  
Var. Glauca. 2-ki  
? -1  
? 0  
? 3 Neufcinv.

✓ No. 3107 D Date 7 Ma.

Tanner Machine. Reel.

Turns 49 Cor. + 2 Depth 51

Shot or lead 20 lb

Bottom line sw. s.

Bottom temperature not known

No. of Thermometer 63899 Cor. -0.2°

Corrected temperature —

Air 5° Surface 52° Drift. 67. 16

Trawl or dredge or tangles None

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
✓ DOWN.	UP.		✓ DOWN.	UP.
12. 04. 01	03. 00	0	17. 12. 01	1
13. 04. 01	04. 00	100	15. 35	1. 1. 00
14. 04. 01	05. 00	200	17. 05	12. 2
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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3100
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3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP. °	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS.

150 fms. 0.6 m. 100  
y

No. 51

Date 11

Machine. — Reel.

Turns 43 Cor. + 2 Depth 42  
 Shot or lead 20 lbs.  
 Bottom 100  
 Bottom temperature 50.8  
 No. of Thermometer 63 84.4 Cor. -0.1  
 Corrected temperature 50.8  
 Air 51 Surface 53° Drift E. S. E. 15°  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	1.1	1.1
		100	2.1	2.1
		200	2.1	2.1
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
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3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS.

7/12 - 100 fms  
 Few stone sea urchins  
 2 sp. 80 fms.

No. 3109 D<sup>1</sup> Date Mar. 11<sup>th</sup> 6.

Janet Machine. — Reel.

Turns 28 Cor. + 2 Depth 40 fms.

Shot or lead 20 lbs.

Bottom R.R.

Bottom temperature 51°

No. of Thermometer 63899 Cor. -0.2°

Corrected temperature 50.8°

Air 53° Surface 53° Drift. 21.78.47.1 1/2

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	1,50,30	2,07,15
		400		1,58,43
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
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		1900		
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2800  
2900  
3000  
3100  
3200  
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3400  
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3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS

No. 3110 D. Date 11/16/11

Tanner Machine. Reel.

Turns 37 Cor. + 2 Depth 39 fms.

Shot or lead 20 lbs.

Bottom (P.)

Bottom temperature 31.2°

No. of Thermometer 63899 Cor. -

Corrected temperature 31.2°

Air 53° Surface 53° Drift. N. 7.1°

Travel or dredge on tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

3.08.05

0

DOWN.

UP.

3.02.48

24.11

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
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2800
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3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2165 Date Oct 11 1870  
Canner Machine. Reel.

Turns 20 Cor. + 1 Depth 21 fms

Shot or lead 20 lbs.

Bottom fine.

Bottom temperature

No. of Thermometer 63645 Cor.

Corrected temperature 52.8°

Air 55° Surface 53° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2154 Date 11/11/00

Machine. Reel.

Turns Cor. + Depth 10 fms

Shot or lead 14 16

Bottom br. sh. R.

Bottom temperature —

No. of Thermometer —

Cor. —

Corrected temperature —

Air 60° Surface 53° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.301.00	4.31.00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Bottom 4.42  
Chart 7  
Program Oct 1900  
died 2152

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1/607  
No. 3111 D<sup>2</sup> Date 1/1

Janner Machine. Reel.

Turns 19 Cor. + 1 Depth 20

Shot or lead 20 lbs.

Bottom 411

Bottom temperature 53°

No. of Thermometer 63899 Cor. - 0.2°

Corrected temperature 52.8°

Air 60 Surface 63 Drift. 1/4

Fawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		38.40
0	5.12.30	80	28.00	5.16.31
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		1400		
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		1900		
		2000		
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3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3112 D- Date Mar 12<sup>th</sup> 1870

Danner Machine. — Reel.

Turns 289 Cor. + 7. Depth 276

Shot or lead 2646.

Bottom

Bottom temperature 42

No. of Thermometer 63 899 Cor. -0.2

Corrected temperature 41.8°

Air 31° Surface 52° Drift. 2° SE, E

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5. 46. 15	54.45	0	6. 00. 50	0°.
47. 20	48. 15	100	06. 15	0°.
48. 15	51. 10	200	10. 15	7. 01
49. 10	549. 25	300	14. 12	57. 5°
		400	18. 40	54. 28
		500	22. 30	30. 55
		600	26. 05	6. 46. 56
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Left side of chart 6-2-2. M. & M. 1870  
 Mag. dip. 18° 20' N.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TRMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Aug 11 1874  
Weymouth Harbor. 4  
Depth 100 fms. 34° 4  
100 fms. 34° 4  
100 fms. 34° 4  
100 fms. 34° 4  
100 fms. 34° 4

No. 3113 ~~iv~~ Date Nov. 12

Current Machine. — Reel.

Turns 68 Cor. + 2 Depth 70 fms

Shot or lead 26.662

Bottom line on 3

Bottom temperature

No. of Thermometer 63899 Cor. -0.2°

Corrected temperature 48.8°

Air 54° Surface 52° Drift. 1. ENE

Trawl or dredge or trawles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	50.30	0	7.5045	27.48
48.10	7.48.13	100	56.16	23.01
		200	59.10	8.11
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
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3400  
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3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

16 Oct 1860  
2 Molar

No. 3114 Date Mar

Canner Machine. — Reel.

Turns 600 Cor. + 2 Depth 6 fms

Shot on lead 26 lbs

Bottom M. —

Bottom temperature

No. of Thermometer 63899 Cor. —

Corrected temperature —

Air 56 Surface 52 Drift. E 1/2 N 1/2

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS:	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Per cent 10  
distant 10 mils

2500
2600
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3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS.

Bottom 800 fms. dark

Citharichtys,  
Holothurian,

2811  
502  
No. 3115-02 Date Mar. 12<sup>th</sup> 18

Tanner Machine. Reel.

Turns 442 Cor. + 1 Depth 44.3 fms

Shot or lead 26 lbs

Bottom one bottom.

Bottom temperature —

No. of Thermometer 61751 Cor. —

Corrected temperature —

Air 53 Surface 52 Drift. E 1/4 S 1/8'

Trawl or dredge or tangles Large sea

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.15.32	10.17.01	0	10.17.15	41.10
16 -	10.16.02	100	19 -	39. -
		200	19.12.5	10. 38.15
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
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		2200		
		2300		
		2400		

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3400  
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3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3116 D<sup>2</sup> Date 12/90

Hand Machine, lead Reel.

Turns Cor. + - Depth 16

Shot or lead 12 lbs

Bottom 11

Bottom temperature -

No. of Thermometer - Cor.

Corrected temperature -

Air 55 Surface 5 Drift. 8 x 8

Trawl or dredge or tangles 11/11

SOUNDING WIRE.

DOWN. UP.

11.36.00

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

11.37.12

UP.

11.41.03

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS.

Received at 11:00 A.M.  
12. H. C. Thunberg  
for record.

No. 2105 Hjd. Date March 2 - 90

Keaud. Machine. Lead Reel.

Turns — Cor. + — Depth 17 fms

Shot or lead 12 260

Bottom 884. 14.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 55° Surface 54° Drift. 08 x 6.2'

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.45.00	11.46.00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3117 off Date 1100 A.M. 12/11

Machine. — Reel.

Turns 41 Cor. + 2 Depth

Shot or lead 257

Bottom 78

Bottom temperature 51

No. of Thermometer 61 751 Cor. -0.3

Corrected temperature 50.7

Air 50 Surface 52 Drift. 10

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2110 W Date March 12 1871

Machine. — Reel.

Turns 34 Cor. + 2 Depth

Shot or lead

Bottom Key.

Bottom temperature

No. of Thermometer 617751 Cor. + 0.3

Corrected temperature 50.9°

Air 56° Surface 55° Drift.  $\frac{3}{4} \text{ fpm}$ 

Trawl or dredge or tangles None

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		100	1,200.50	1.51
		200	2,600.28	1
		300		
		400		
		500		
		600		
		700		
		800	5.6	
		900	2.6	
		1000	1.6	
		1100	1.6	
		1200	1.6	
		1300	1.6	
		1400	1.6	
		1500	1.6	
		1600	1.6	
		1700	1.6	
		1800	1.6	
		1900	1.6	
		2000	1.6	
		2100	1.6	
		2200	1.6	2
		2300	1.6	2
		2400	1.6	2

2500
2600
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3000
3100
3200
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3600
3700
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3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

INTEROCEANIC. REMARKS.

100507  
No. 3119 Date

Danner Machine. Reel.

Turns 0 Cor. + Depth fms

Shot or lead

Bottom

Bottom temperature 50.

No. of Thermometer Cor. + 0.3

Corrected temperature 50.9°

Air 56° Surface Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS:	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 50. 00	53. 10	0		
51. 20	1. 51. 35	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
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800				
900				
1000				

REMARKS.

No. 2156 Hyd. Date

Tanner Machine. — Recl.

Turns 118 Cor. + 4 Depth

Shot or lead

Bottom

Bottom temperature 4°

No. of Thermometer 61° 15' Cor. —

Corrected temperature 47.8°.

Air 56° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3120 N. Date

Dinner Machine. — Reel.

Turns 52 Cor. + 2 Depth 54 f

Shot or lead 7

Bottom

Bottom temperature

No. of Thermometer 61 '751 Cor. -

Corrected temperature 49.7

Air 56° Surface 54° Drift. 11.11.11

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	42.35	0	2.6	
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		1400		
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#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

2 *Paracanthus* 1 *Urodeus*  
 1 *?* 1 *?*

No. 2171 N Date

Machine. — Reel.

Turns 46 Cor. + 2 Depth

Shot or lead

Bottom on. M. S.

Bottom temperature 49.

No. of Thermometer 61751 Cor. -

Corrected temperature 49.8°

Air 5.5° Surface 53° Drift N. 81 W. 1/4 N.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
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3900
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SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3122 N<sup>o</sup> Date Moh. 12<sup>th</sup> 1890

new Machine. - Reel.

Turns 36 Cor. + 2 Depth 30 fms

Shot or lead 25 lbs.

Bottom 9

Bottom temperature 51

No. of Thermometer 61 751 Cor. + 0.3

Corrected temperature 52.3

Air 55° Surface 52° Drift. 1/4 N. by E.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.40.55	111.30	0	3.42.50	5.
5	3.40.55	60	115.20	5
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
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4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 215 Date 1/1/27

Machine. Reel.

Turns Cor. + 2 Depth 37 fms.

Shot or lead 5

Bottom 10.47 m.

Bottom temperature 52.5°

No. of Thermometer 61751 Cor. + 0.3°

Corrected temperature 52.2°

Air 56° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5	5.22	0	4.66	57.48
37.02	4.37.04	66 100	48.55	55 -
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
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3600
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3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 317 of 84 Date 11/10/11

various Machine. Reel.

Turns 70 Cor. + 1 Depth 21

Shot or lead 75 lbs

Bottom Rely.

Bottom temperature 52°

No. of Thermometer 66751 Cor. + 0.3

Corrected temperature 52.3°

Air 45° Surface 51° Drift. ✓

Trawl or dredge or tangles No

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		50		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
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### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS.

b.   
 Okanagan *Opabinians.*  
 Penticton *Nalicae* 1  
*Trachymene*  
*summerset* *lava* -  
 - *Crust* *min*

No. 3125 Date March 13<sup>th</sup> 1890.

Tanner Machine. — Reel.

Turns 05 Cor. + 2 Depth

Shot or lead 25 lbs.

Bottom fine sand, 1.2 fms.

Bottom temperature 48.4°

No. of Thermometer 61751 Cor. -

Corrected temperature 48.4°

Air 49° Surface 52° Drift. 1.666, 10

Trawl or dredge or tangles 100 fms. down and back

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		19.45
		100		16.36
		200		13.25
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
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3600
3700
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3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Remarks. 27

500 feet minus 100 feet less small rock  
 2 Barrels  
 2000 pounds, 4 Large Casks 8.5 ft  
 2000 ft. 100 ft. 100 ft. 100 ft.  
 100 ft. 100 ft. 100 ft. 100 ft.

No. 1/26 1872 Date Nov. 13<sup>th</sup> 1872

Machine. 2 Reel.

Turns 118 Cor. + 38 Depth 436 fms

Shot or lead 35 lb.

Bottom 9 m.

Bottom temperature 52<sup>1/2</sup>°

No. of Thermometer 61 751 Cor. + 0.3°

Corrected temperature 52.8°

Air 54 Surface 53 Drift. N.E. 1.6°

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
5	57.56	100	04.15	21.40
47.58	67.30	200	08.65	19.05
44.81.54	56.55	300	10.11	16.12
	56.13	400	14.53	13.00
50.62	67.15	500	20.50	10.05
		600	24.30	16.58
		700	27.15	13.45
		800	29.05	10.00 05
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Line 4 Grap 345 fms.  
depth 1 1/10 miles.

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

### SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS

No.

D

Date

Mar. 27<sup>th</sup> 1895.

Description

Machine.

Reel.

Turns 382 Cor. + 36

Depth 418 fms.

Shot or lead 35 lb

Bottom gn. M +

Bottom temperature 40.5°

No. of Thermometer 61751 Cor. -

Corrected temperature 40.5°

Air 17° Surface 33° Drift. 18.5  $\frac{1}{2}$  miles

Trawl or dredge or tangtes

## SOUNDING-WIRE.

## TURNS.

## DREDGE. ROPE.

DOWN.

UP.

DOWN.

UP.

10.30	0	11. 8.15	39.10
11.15	100	26.25	36.10
12.00	200	24.05	33.00
3.02	300	29.30	31.10
3.58	400	31.20	28.30
	500	34.75	25.10
	600	36.15	21.50
	700	41.10	18.30
	800	36.15	15.50
	900		
	1000		
	1100		
	1200		
	1300		
	1400		
	1500		
	1600		
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3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTL.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1 do. *caerulea* (L.) 3 lbs. Each  
1 do. *caerulea* (L.) <sup>newsp.</sup> Chardidew.  
1 do. *caerulea* (L.) 2 lbs. Red shrimp.

No. 3128 ~~or~~ Date March 13<sup>rd</sup> 1890

Machine. &amp; Reel.

Turns 574 Cor. + 53 Depth 627 fms

Shot or lead 35 lbs.

Bottom 627 M.

Bottom temperature 38.9°

No. of Thermometer 61751 Cor. -

Corrected temperature 38.9°

Air 56° Surface 53° Drift. E. S. E. 1/8 E.

Trawl or dredge or tangles large beam, 7-mud boy

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.41.30	55.30	0	1.00100	51.
42.15	54.5	100	04.50	48.35
43.05	54.15	200	08.30	45.20
44.00	53.	300	12.00	42.15
44.55	52.10	400	14.10	38.20
45.65	51.05	500	16.40	34.40
		600	19.30	31.05
		700	22.00	27.15
		800	24.00	23.45
		900	26.00	20.35
		1000	28.00	17.10
		1100	30.20	14.05
		1200	34.10	2.11
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
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3600  
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3800  
3900  
4000

2 1/2 min.      SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3129 D<sup>l</sup> Date Oct. 13<sup>th</sup> 1890.

Stashed Machine. #2 Reel.

Turns 187 Cor. + 17 Depth 204 fms.

Shot or lead 35 lbs.

Bottom S.M.

Bottom temperature 43°

No. of Thermometer 61 751 Cor.

Corrected temperature 43.7°

Air 06° Surface 57° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3. 26.50	31.00	0	3.33.10	23:00
27.55	30.10	100	48.15	19.43
28.45	3.29.15	200	43.20	16.51
		300	47.00	12.51
		400	51.15	16.1
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3130 N. Date. 11/10.

Lead - Machine. — Reel.

Turns — Cor. + — Depth 9 fm.

Shot-or-lead 12 lbs.

Bottom Lt. S. & Rks.

Bottom temperature

No. of Thermometer — Cor.

Corrected temperature

Air 61 Surface 50 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1718.0	1718.0	0		
		50		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		2100		
		2200		
		2300		
		2400		

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3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

14<sup>th</sup>

Machine. Reel.

Turns 46 Cor. + 2 Depth 48 fms  
 Shot or lead 2.5 lbs  
 Bottom Tr. 1.1  
 Bottom temperature 56  
 No. of Thermometer 61 Cor. + 0.3  
 Corrected temperature 56  
 Air 60 Surface 58° Drift. N. E. 1.1/2 miles  
 Trawl or dredge or tangles Small beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.32.00	33.15	0	1.	
32.35	1.32.35	100	39.05	54
		150	41.25	1m.
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
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3100
3200
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3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS.

Wind - 7 bads  
 1000 - taken -

No. 3132 D Date Moh. 14<sup>th</sup>

Machine. - Reel.

Turns 32 Cor. + 1 Depth 33 fms.

Shot or lead 25 lbs

Bottom br. M.

Bottom temperature 51.8

No. of Thermometer 61751 Cor. + 0.3

Corrected temperature 52.1

Air 62° Surface 55° Drift. N N. 4 miles

Trawl or dredge or tangles 15 m.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 27.50	29.00	0	2. 27.50	29.00
70.10	70.10	100	34.00	2. 49.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
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		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS.

3 1/2 miles  
depth 2000 fms  
Few Shrimps

No. 313 Date March 14<sup>th</sup> 1890  
 Machine. Reel.

Turns 36 Cor. + 1 Depth 37 fms.

Shot or lead 25 lbs.

Bottom tr. m.

Bottom temperature 52

No. of Thermometer 61 Cor. + 0.3

Corrected temperature 52.3

Air 50 Surface 50 Drift. 7.718

Trawl or dredge or tangles 1 m. 10 m.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
322.15	24.10	0	3.24.30	42
73.00	3.23.05	100	29.0	3.
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Salinity in brackish water  
 about 1/2 miles.

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Temperature not taken below  
Temperature in air above 4000 fms.  
and at 4000 fms. the reading of 3700 fms.

No. 347 Date Mar 14<sup>th</sup> '90.

in Machine. Reel.

Turns 12 Cor. 1 Depth 13 fms

Shot or lead 2.5

Bottom 54.5 m

Bottom temperature 54.5

No. of Thermometer 61.75<sup>1</sup> Cor. 1

Corrected temperature 54.5

Air 59° Surface 54° Drift. 1.1/11.

Trawl or dredge or tangles 1

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.21.50	4.23.40	0	4.24.55	42.50
4.2.50	4.22.50	50 100	29.10	4.40.55
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Man. time 6.16.17  
data 4.17.10 wire.

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

1/2 mile.

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Water similar to that  
found in all cases  
on the trip.

No. 3135 Dr

Date Mech. 14 1880

Tanner Machine. — Reel.

Turns 15 Cor. + — Depth 15 —

Shot or lead 25 lbs.

Bottom fine gy. s.

Bottom temperature 54.4°

No. of Thermometer 61751 Cor. +0.3°

Corrected temperature 54.7°

Air 59° Surface 54° Drift. N. 1/4 E.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.00	15.00	0		2.12
14.00	5.14.05	50	17.30	5.31.15
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lat. 40° 45' N.  
Long. 106° 45' W.  
Distance 6 miles.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

2 Flounders  
6 Rincador  
A few worn shells

No. 3136 N<sup>o</sup> Date 11/10/11

Lead lead Machine. — Reel.

Turns — Cor. + — Depth 7 fms.

Shot or lead 1/2 lbs. 1/2

Bottom 94.1

Bottom temperature —

No. of Thermometer — Cor.

Corrected temperature

Air 49° Surface 52° Drift. 3/4 N. 1/4

Trawl or dredge or tangles small sea

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		200		
		400		
		600		
		800		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3137 D Date 11th 1890

Hand lead Machine. — Reel.

Turns Cor. + — Depth 17 fms

Shot or lead 12 lbs.

Bottom S. 1

Bottom temperature

No. of Thermometer — Cor.

Corrected temperature

Air 50° Surface Drift. 11.2°

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.43.20	6.44.00	0	6.44.25	56
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Sounding  
distr. 1 mile.

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

#### SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS

No. 3138 151 Date Mon. 11/11/11

Tanner Machine. — Reel.

Turns 19 Cor. + — Depth

Shot or lead 25 lbs.

Bottom S. S. & M. St.

Bottom temperature 55.1°

No. of Thermometer 61751 Cor. +0.3

Corrected temperature 55.4°

Air 52° Surface 52° Drift. 1.02 ± 2

Trawl or dredge or tangles shifts.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	10.	1.
46	7.08.56	300	11.30	5
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3139  $\alpha^2$  Date March 10 1870.

Turner Machine. — Reel.

Turns 26 Cor. + 1 Depth 27 fm.

Shot or lead 25 lbs

Bottom 22. M.

Bottom temperature 52.6°

No. of Thermometer 61751 Cor. + 0.3°

Corrected temperature 52

Air 52° Surface 52° Drift. 21.5 N. 87 E.

Trawl or dredge or tangles None

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	90.50	0	7.32.15	
200	7.30.25	50	35.00	7.31.30
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

27.7.11  
SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

4000 ft. 10.00

1000 ft. 10.00

5003  
No. 3140 D<sup>2</sup> Date 5-21-00

Tanner Machine. — Reel.

Turns 29 Cor. + 1 Depth 30 fms

Shot or lead 25 lbs

Bottom 76.

Bottom temperature 52°

No. of Thermometer 6175 Cor. + 0.3°

Corrected temperature 52.3°

Air 53° Surface 52° Drift. N.W. 0.2

Trawl or dredge or tangles Shallow

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.59.30	8.00.18	0	8.01.30	11.30
59.45	7.59.55	100	8.02.20	8.10.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

0000

REMARKS.

267  
No. 3141 Date 15<sup>th</sup> 1891.

Tanner Machine. — Reel.

Turns 23 Cor. + 1 Depth 24 fms

Shot or lead 25 lbs.

Bottom free gy S. & W.

Bottom temperature 52.7°

No. of Thermometer 61757 Cor. +0.3°

Corrected temperature 53°

Air 53° Surface 52° Drift. N & N. 02

Foul or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5	23-35	0	8 15	22-10
22.30	8 22.32	400	27.15	8.30-29
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lat 41° 31' N. Long 67° 31' W.  
Bear 110° 1/2 miles

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

#### SERIAL TEMPERATURE.

DEPTH.	TRMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

*Cold, still, and many*

No. 3142 Date Mar 18 '00

Hand lead Machine. Reel. —

Turns — Cor. + — Depth 13 fms

Shot or lead 12 lbs

Bottom fine s. & R. 100 fms

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 53 Surface 52 Drift. 2/15 E. S. T.

Trawl or dredge or tangles No

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	8.42.50	0	8.42.50	50.10
		20	47.50	8.419.08
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS.

Cloudy and  
windy.

No. 3143 <sup>bx</sup> Date Mar. 15 '90

Lead Lead Machine. — Reel.

Turns — Cor. + — Depth 9 fms

Shot or lead 12 lbs

Bottom Rock

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 59 Surface 53 Drift. 6. 3/4 fms

Trawl or dredge or tangles —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	0	17.30
		25	05.25	9.05.45
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

One thermometer empty.

No. 3142 Date 3/16/1893.

Tanner Machine. + Reel.

Turns 19 Cor. + 1 Depth 20 fms

Shot or lead 25 lbs

Bottom S. + G. Rks. III

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 57° Surface 54° Drift. S. 1/4 E.

Trawl or dredge or tangles 20 fms

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.35.00	1.37.00	0	0.36.65	07.05
		500	07.45	9.46.15
		400		
		300		
		200		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Wells Bay St. No. 60. 2 miles.  
Westward 2 miles.

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

2/10 1000  
SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1000 fathoms  
1000 fathoms

507

No. 3145 Date May 15 '11

Ganner Machine. Reel.

Turns 34 Cor. + 2 Depth 56

Shot or lead 25 lbs

Bottom fine gy. Dr.

Bottom temperature  $49\frac{1}{2}$  °

No. of Thermometer 61.751 Cor. -

Corrected temperature  $49.5$  °

Air 50 Surface 5 Drift. N.W. 1/4

Trawl or dredge or tangles Large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.2	11.2	0	1 36.	500
2.05	10.27.0	100	41.5	1000
		200	42.2	1000
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

1 mile.

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Canal River  
100 fms  
200 fms  
300 fms

507

No. 314642 Date 3 Mar. 15' 90  
Turner Machine. Reel.

Turns 60 Cor. + 2 Depth 62 fms

Shot or lead 25 lbs

Bottom gr. m. + kgs

Bottom temperature 49.5°

No. of Thermometer 4675 Cor.

Corrected temperature 49.5

Air 57° Surface 56° Drift.

Trawl or dredge or tangles. ✓ 111

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.50.15	51.55	0	11.53.05	12.30
10.55	11.51.5	100	12.04.50	11.00
		110	01.10	12.04.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

### REMARKS.

1. 11. 2. 11. 3. 11. 4. 11. 5. 11. 6. 11. 7. 11. 8. 11. 9. 11. 10. 11. 11. 12. 11. 13. 11. 14. 11. 15. 11. 16. 11. 17. 11. 18. 11. 19. 11. 20. 11. 21. 11. 22. 11. 23. 11. 24. 11. 25. 11. 26. 11. 27. 11. 28. 11. 29. 11. 30. 11. 31. 11. 32. 11. 33. 11. 34. 11. 35. 11. 36. 11. 37. 11. 38. 11. 39. 11. 40. 11. 41. 11. 42. 11. 43. 11. 44. 11. 45. 11. 46. 11. 47. 11. 48. 11. 49. 11. 50. 11. 51. 11. 52. 11. 53. 11. 54. 11. 55. 11. 56. 11. 57. 11. 58. 11. 59. 11. 60. 11. 61. 11. 62. 11. 63. 11. 64. 11. 65. 11. 66. 11. 67. 11. 68. 11. 69. 11. 70. 11. 71. 11. 72. 11. 73. 11. 74. 11. 75. 11. 76. 11. 77. 11. 78. 11. 79. 11. 80. 11. 81. 11. 82. 11. 83. 11. 84. 11. 85. 11. 86. 11. 87. 11. 88. 11. 89. 11. 90. 11. 91. 11. 92. 11. 93. 11. 94. 11. 95. 11. 96. 11. 97. 11. 98. 11. 99. 11. 100. 11. 101. 11. 102. 11. 103. 11. 104. 11. 105. 11. 106. 11. 107. 11. 108. 11. 109. 11. 110. 11. 111. 11. 112. 11. 113. 11. 114. 11. 115. 11. 116. 11. 117. 11. 118. 11. 119. 11. 120. 11. 121. 11. 122. 11. 123. 11. 124. 11. 125. 11. 126. 11. 127. 11. 128. 11. 129. 11. 130. 11. 131. 11. 132. 11. 133. 11. 134. 11. 135. 11. 136. 11. 137. 11. 138. 11. 139. 11. 140. 11. 141. 11. 142. 11. 143. 11. 144. 11. 145. 11. 146. 11. 147. 11. 148. 11. 149. 11. 150. 11. 151. 11. 152. 11. 153. 11. 154. 11. 155. 11. 156. 11. 157. 11. 158. 11. 159. 11. 160. 11. 161. 11. 162. 11. 163. 11. 164. 11. 165. 11. 166. 11. 167. 11. 168. 11. 169. 11. 170. 11. 171. 11. 172. 11. 173. 11. 174. 11. 175. 11. 176. 11. 177. 11. 178. 11. 179. 11. 180. 11. 181. 11. 182. 11. 183. 11. 184. 11. 185. 11. 186. 11. 187. 11. 188. 11. 189. 11. 190. 11. 191. 11. 192. 11. 193. 11. 194. 11. 195. 11. 196. 11. 197. 11. 198. 11. 199. 11. 200. 11. 201. 11. 202. 11. 203. 11. 204. 11. 205. 11. 206. 11. 207. 11. 208. 11. 209. 11. 210. 11. 211. 11. 212. 11. 213. 11. 214. 11. 215. 11. 216. 11. 217. 11. 218. 11. 219. 11. 220. 11. 221. 11. 222. 11. 223. 11. 224. 11. 225. 11. 226. 11. 227. 11. 228. 11. 229. 11. 230. 11. 231. 11. 232. 11. 233. 11. 234. 11. 235. 11. 236. 11. 237. 11. 238. 11. 239. 11. 240. 11. 241. 11. 242. 11. 243. 11. 244. 11. 245. 11. 246. 11. 247. 11. 248. 11. 249. 11. 250. 11. 251. 11. 252. 11. 253. 11. 254. 11. 255. 11. 256. 11. 257. 11. 258. 11. 259. 11. 260. 11. 261. 11. 262. 11. 263. 11. 264. 11. 265. 11. 266. 11. 267. 11. 268. 11. 269. 11. 270. 11. 271. 11. 272. 11. 273. 11. 274. 11. 275. 11. 276. 11. 277. 11. 278. 11. 279. 11. 280. 11. 281. 11. 282. 11. 283. 11. 284. 11. 285. 11. 286. 11. 287. 11. 288. 11. 289. 11. 290. 11. 291. 11. 292. 11. 293. 11. 294. 11. 295. 11. 296. 11. 297. 11. 298. 11. 299. 11. 300. 11. 301. 11. 302. 11. 303. 11. 304. 11. 305. 11. 306. 11. 307. 11. 308. 11. 309. 11. 310. 11. 311. 11. 312. 11. 313. 11. 314. 11. 315. 11. 316. 11. 317. 11. 318. 11. 319. 11. 320. 11. 321. 11. 322. 11. 323. 11. 324. 11. 325. 11. 326. 11. 327. 11. 328. 11. 329. 11. 330. 11. 331. 11. 332. 11. 333. 11. 334. 11. 335. 11. 336. 11. 337. 11. 338. 11. 339. 11. 340. 11. 341. 11. 342. 11. 343. 11. 344. 11. 345. 11. 346. 11. 347. 11. 348. 11. 349. 11. 350. 11. 351. 11. 352. 11. 353. 11. 354. 11. 355. 11. 356. 11. 357. 11. 358. 11. 359. 11. 360. 11. 361. 11. 362. 11. 363. 11. 364. 11. 365. 11. 366. 11. 367. 11. 368. 11. 369. 11. 370. 11. 371. 11. 372. 11. 373. 11. 374. 11. 375. 11. 376. 11. 377. 11. 378. 11. 379. 11. 380. 11. 381. 11. 382. 11. 383. 11. 384. 11. 385. 11. 386. 11. 387. 11. 388. 11. 389. 11. 390. 11. 391. 11. 392. 11. 393. 11. 394. 11. 395. 11. 396. 11. 397. 11. 398. 11. 399. 11. 400. 11.

No. 2157 Hyd Date 7 March 11

✓ Machine. - Reel.

Turns 74 Cor. + Depth 71975

Shot or lead 25 lbs.

Bottom 0.50. W.L. 7 M

Bottom temperature 4°

No. of Thermometer 61701 Cor. -

Corrected temperature 47.6°

Air 57° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 3147 Date

Machine. — Reel.

Turns 52 Cor. + 21 Depth

Shot or lead

Bottom 61 M.

Bottom temperature

No. of Thermometer 61 1/5° Cor. -

Corrected temperature 49.2°

Air 57° Surface 56° Drift. 11.15%

Trawl or dredge or bangles

| SOUNDING WIRE. |       | TURNS. | DREDGE ROPE. |         |
|----------------|-------|--------|--------------|---------|
| DOWN.          | UP.   |        | DOWN.        | UP.     |
| 2.59.30        | 01.40 | 0      | 2.05.00      | 31.25   |
| 2.50.15        |       | 100    | 07.00        | 2.21.00 |
|                |       | 200    |              |         |
|                |       | 300    |              |         |
|                |       | 400    |              |         |
|                |       | 500    |              |         |
|                |       | 600    |              |         |
|                |       | 700    |              |         |
|                |       | 800    |              |         |
|                |       | 900    |              |         |
|                |       | 1000   |              |         |
|                |       | 1100   |              |         |
|                |       | 1200   |              |         |
|                |       | 1300   |              |         |
|                |       | 1400   |              |         |
|                |       | 1500   |              |         |
|                |       | 1600   |              |         |
|                |       | 1700   |              |         |
|                |       | 1800   |              |         |
|                |       | 1900   |              |         |
|                |       | 2000   |              |         |
|                |       | 2100   |              |         |
|                |       | 2200   |              |         |
|                |       | 2300   |              |         |
|                |       | 2400   |              |         |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

$\frac{1}{2}$  mile.

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

50 Flounders. REMARKS. 62  
 a. 10. 1. 1. 2. 3. 4. 5. 6. 7. 8. 9.  
 Numerous small  
 small worms and  
 Peruvian fish 77.

No. 3148 file Date March 15 11

Tanner Machine. — Reel.

Turns 45 Cor. + 2 Depth

Shot or lead 25 lbs.

Bottom 7r. M.

Bottom temperature 51°

No. of Thermometer 61751 Cor. + 0.3°

Corrected temperature 51.3°

Air 56° Surface 54° Drift. ~

Trawl or dredge or tangles ~ ~ ~

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |         |
|----------------|---------|--------|--------------|---------|
| DOWN.          | UP.     |        | DOWN.        | UP.     |
|                | 210.50  | 0      | 4.03.00      | 28.40   |
| 59.55          | 4.00.00 | 100    | 4.00.00      | 4.25.30 |
|                |         | 150    |              |         |
|                |         | 200    |              |         |
|                |         | 300    |              |         |
|                |         | 400    |              |         |
|                |         | 500    |              |         |
|                |         | 600    |              |         |
|                |         | 700    |              |         |
|                |         | 800    |              |         |
|                |         | 900    |              |         |
|                |         | 1000   |              |         |
|                |         | 1100   |              |         |
|                |         | 1200   |              |         |
|                |         | 1300   |              |         |
|                |         | 1400   |              |         |
|                |         | 1500   |              |         |
|                |         | 1600   |              |         |
|                |         | 1700   |              |         |
|                |         | 1800   |              |         |
|                |         | 1900   |              |         |
|                |         | 2000   |              |         |
|                |         | 2100   |              |         |
|                |         | 2200   |              |         |
|                |         | 2300   |              |         |
|                |         | 2400   |              |         |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

### REMARKS.

12 days 90 min 14° 1' 1" 30' 26.6°  
 20.10.63 3 Mar 1963 12.2 m 26.6°  
 20.10.63 0 1963 12.2 m 26.6°  
 20.10.63 20 min 12.2 m 26.6°

No. 49 U Date NOV 10 1870

Machine. — Reel.

Turns 11 Cor. + Depth 40 fms

Shot or lead 74 lbs

Bottom 94.71

Bottom temperature 50.8°

No. of Thermometer 61751 Cor. + 6

Corrected temperature 54.1°

Air 55° Surface 54° Drift. —

Trawl or dredge or tangles

| SOUNDING WIRE. |          | TURNS. | DREDGE ROPE. |          |
|----------------|----------|--------|--------------|----------|
| DOWN.          | UP.      |        | DOWN.        | UP.      |
| 5.05.67        | 09.25    | 0      | 5.10.07      | 38.15    |
| 08.75          | 51.08.35 | 100    | 18.00        | 51.32.45 |
|                |          | 200    |              |          |
|                |          | 300    |              |          |
|                |          | 400    |              |          |
|                |          | 500    |              |          |
|                |          | 600    |              |          |
|                |          | 700    |              |          |
|                |          | 800    |              |          |
|                |          | 900    |              |          |
|                |          | 1000   |              |          |
|                |          | 1100   |              |          |
|                |          | 1200   |              |          |
|                |          | 1300   |              |          |
|                |          | 1400   |              |          |
|                |          | 1500   |              |          |
|                |          | 1600   |              |          |
|                |          | 1700   |              |          |
|                |          | 1800   |              |          |
|                |          | 1900   |              |          |
|                |          | 2000   |              |          |
|                |          | 2100   |              |          |
|                |          | 2200   |              |          |
|                |          | 2300   |              |          |
|                |          | 2400   |              |          |

Virginia Point Lat. 46. 1/2 S. Long. 6. 1/2 W. 1/2 miles. water.

|      |
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| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

1 Reddish brown. 100 fms. from  
2 ~~Par-~~sys. (Panobranchi) 100 fms.  
20 Ciliarichthys (Ciliacanthus)  
5 ~~He~~-delichthys (Solenichthys) (Solenichthys)  
3 Acanthodes 12 miles from 3 miles  
100 fms. (Panobranchi) 100 fms. 100 fms.  
6 100 fms.

No. 3150 U.T. Date March 11

Wind Machine. - Reel.

Turns 20 Cor. + 1 Depth 11

Shot or lead 2.1

Bottom fine sand S

Bottom temperature 52°

No. of Thermometer 61° 51 Cor. 1

Corrected temperature 52.3°

Air 51 Surface 55 Drift 1 1/2 W by N

Trawl or dredge or tangle large sea

SOUNDING WIRE.

TURNS.

P.M. DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

6

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TRMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

12 deg. large  
few anomalies. 5000 fms.  
11 miles. 6 irid. som' red. 19th.  
12 miles. 6 irid. red. 19th.  
12 miles. 6 irid. red. 19th.  
2 large crs. in lower 2 miles.

No.

Date

10.00

Machine.

Reel.

Turns 36 Cor. + 1 Depth 87

Shot or lead 25 lbs.

Bottom cor. 8. rd. 8/

Bottom temperature 51.5

No. of Thermometer 675 Cor. + 0.3

Corrected temperature 51.6°

Air Surface Drift 1.5 S.E.

Trawl or dredge or tangles Lemon Bay

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |      |
|----------------|---------|--------|--------------|------|
| DOWN.          | UP.     |        | DOWN.        | UP.  |
| 3-30           | 2-11-30 | 0      | 9-5-0        | 30-0 |
|                |         | 100    |              |      |
|                |         | 110    |              |      |
|                |         | 200    |              |      |
|                |         | 300    |              |      |
|                |         | 400    |              |      |
|                |         | 500    |              |      |
|                |         | 600    |              |      |
|                |         | 700    |              |      |
|                |         | 800    |              |      |
|                |         | 900    |              |      |
|                |         | 1000   |              |      |
|                |         | 1100   |              |      |
|                |         | 1200   |              |      |
|                |         | 1300   |              |      |
|                |         | 1400   |              |      |
|                |         | 1500   |              |      |
|                |         | 1600   |              |      |
|                |         | 1700   |              |      |
|                |         | 1800   |              |      |
|                |         | 1900   |              |      |
|                |         | 2000   |              |      |
|                |         | 2100   |              |      |
|                |         | 2200   |              |      |
|                |         | 2300   |              |      |
|                |         | 2400   |              |      |

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| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

water = (5 fathoms)

in shallow water.

No.

Date March 21/90

Machine. Reel.

Turns 35 Cor. + 1 Depth 36

Shot or lead 2

Bottom

Bottom temperature 50

No. of Thermometer 6,701 Cor. + 0

Corrected temperature 50.6°

Air 52° Surface 58° Drift. ~

Trawl or dredge or tangles None Taken

| SOUNDING WIRE. |        | TURNS. | P. C. DREDGE ROPE. |     |
|----------------|--------|--------|--------------------|-----|
| DOWN.          | UP.    |        | DOWN.              | UP. |
| 22-30          | 3-24-0 | 0      | 3-23-30            | 49  |
|                |        | 100    |                    |     |
|                |        | 200    |                    |     |
|                |        | 300    |                    |     |
|                |        | 400    |                    |     |
|                |        | 500    |                    |     |
|                |        | 600    |                    |     |
|                |        | 700    |                    |     |
|                |        | 800    |                    |     |
|                |        | 900    |                    |     |
|                |        | 1000   |                    |     |
|                |        | 1100   |                    |     |
|                |        | 1200   |                    |     |
|                |        | 1300   |                    |     |
|                |        | 1400   |                    |     |
|                |        | 1500   |                    |     |
|                |        | 1600   |                    |     |
|                |        | 1700   |                    |     |
|                |        | 1800   |                    |     |
|                |        | 1900   |                    |     |
|                |        | 2000   |                    |     |
|                |        | 2100   |                    |     |
|                |        | 2200   |                    |     |
|                |        | 2300   |                    |     |
|                |        | 2400   |                    |     |

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|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

### REMARKS.

30 76.1 100 21.1  
 6 75.6 100 21.1  
 6 75.6 100 21.1  
 6 75.6 100 21.1  
 1 75.6 100 21.1  
 1 75.6 100 21.1  
 1 75.6 100 21.1  
 1 75.6 100 21.1  
 1 75.6 100 21.1  
 1 75.6 100 21.1

No. 3153 Date

Turns Machine. — Reel.

Turns 31 Cor. + 1 Depth 37

Shot or lead 25 lbs.

Bottom gr. 7

Bottom temperature

No. of Thermometer 61 751 Cor. + 0.3°

Corrected temperature 51.3°

Air 52° Surface 3° Drift.

Trawl or dredge or angles

| SOUNDING WIRE. |       | TURNS. | DREDGE ROPE. |     |
|----------------|-------|--------|--------------|-----|
| DOWN.          | UP.   |        | DOWN.        | UP. |
| 5. 04.45       | 05.45 | 0      | 57.06.15     |     |
| 15             | 15    | 500    | 11.5         |     |
|                |       | 200    |              |     |
|                |       | 300    |              |     |
|                |       | 400    |              |     |
|                |       | 500    |              |     |
|                |       | 600    |              |     |
|                |       | 700    |              |     |
|                |       | 800    |              |     |
|                |       | 900    |              |     |
|                |       | 1000   |              |     |
|                |       | 1100   |              |     |
|                |       | 1200   |              |     |
|                |       | 1300   |              |     |
|                |       | 1400   |              |     |
|                |       | 1500   |              |     |
|                |       | 1600   |              |     |
|                |       | 1700   |              |     |
|                |       | 1800   |              |     |
|                |       | 1900   |              |     |
|                |       | 2000   |              |     |
|                |       | 2100   |              |     |
|                |       | 2200   |              |     |
|                |       | 2300   |              |     |
|                |       | 2400   |              |     |

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
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3500  
3600  
3700  
3800  
3900  
4000

### SERIAL TEMPERATURE

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |
| 11     |       |              |      |            |
|        |       | REMARKS      |      |            |
| 11     |       |              |      |            |
| 61.00  |       | 39           |      |            |
| 12.62  |       | 6            |      |            |
| 2.00   |       | 2.00         |      |            |
| 0.00   |       | 0.00         |      |            |
| 11     |       |              |      |            |

No. 3154 D Date McL. 21<sup>st</sup> 1890.

Sanner Machine. — Reel.

Turns 19 Cor. + 1 Depth 2

Shot or lead 25 lbs

Bottom He. 8.7 M.

Bottom temperature 5.

No. of Thermometer 61° 75 Cor. + 0.3°

Corrected temperature 51.8°

Air 51° Surface 52° Drift. N. N. 4° N.

Trawl or dredge or tangles large sea weed

| SOUNDING WIRE. |     | TURNS. | (P.M.) DREDGE ROPE. |         |
|----------------|-----|--------|---------------------|---------|
| DOWN.          | UP. |        | DOWN.               | UP.     |
|                |     | 0      |                     | 6 21.45 |
|                |     | 5      |                     |         |
|                |     | 100    |                     |         |
|                |     | 200    |                     |         |
|                |     | 300    |                     |         |
|                |     | 400    |                     |         |
|                |     | 500    |                     |         |
|                |     | 600    |                     |         |
|                |     | 700    |                     |         |
|                |     | 800    |                     |         |
|                |     | 900    |                     |         |
|                |     | 1000   |                     |         |
|                |     | 1100   |                     |         |
|                |     | 1200   |                     |         |
|                |     | 1300   |                     |         |
|                |     | 1400   |                     |         |
|                |     | 1500   |                     |         |
|                |     | 1600   |                     |         |
|                |     | 1700   |                     |         |
|                |     | 1800   |                     |         |
|                |     | 1900   |                     |         |
|                |     | 2000   |                     |         |
|                |     | 2100   |                     |         |
|                |     | 2200   |                     |         |
|                |     | 2300   |                     |         |
|                |     | 2400   |                     |         |

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| 2500 |
| 2600 |
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| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

### REMARKS.

1 P. Melville. 2 Melville  
 1 *Leucorajella* cleaned -  
 1 *Synaptia* shell. 2 day old  
 1 *Leucorajella* 2 *Crab*

No. 2154-12 Date Nov 22, 1896  
Danner Machine. — Reel.

Turns 34 Cor. + 1 Depth 35 fms

Shot or lead 25 lbs v

Bottom grn. m.

Bottom temperature —

No. of Thermometer — Cor.

Corrected temperature —

Air 57 Surface 52 Drift. 8.82 1/4 Mi

Trawl or dredge or tangles ~~100 fms~~ —

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |         |
|----------------|---------|--------|--------------|---------|
| DOWN.          | UP.     |        | DOWN.        | UP.     |
| 6.40.00        | 6.41.00 | 0      | 6.42.00      | 03.10   |
|                |         | 100    | 6.43.00      | 7.04.00 |
|                |         | 200    | 7.47.00      | 7.00.00 |
|                |         | 300    |              |         |
|                |         | 400    |              |         |
|                |         | 500    |              |         |
|                |         | 600    |              |         |
|                |         | 700    |              |         |
|                |         | 800    |              |         |
|                |         | 900    |              |         |
|                |         | 1000   |              |         |
|                |         | 1100   |              |         |
|                |         | 1200   |              |         |
|                |         | 1300   |              |         |
|                |         | 1400   |              |         |
|                |         | 1500   |              |         |
|                |         | 1600   |              |         |
|                |         | 1700   |              |         |
|                |         | 1800   |              |         |
|                |         | 1900   |              |         |
|                |         | 2000   |              |         |
|                |         | 2100   |              |         |
|                |         | 2200   |              |         |
|                |         | 2300   |              |         |
|                |         | 2400   |              |         |

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| 2500 |
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| 2700 |
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| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

### REMARKS.

6 1/2 miles S. of Key West, 60 fms. deep  
 100 fms. 2. Jack mackerel  
 110 fms. 3. mackerel  
 160 fms. 2. King p.  
 Fish + 1 Rock Cod.

No. 3156 Date Mar 22. '91

Tanner Machine. — Reel.

Turns 118 Cor. + 2 Depth 5

Shot or lead 25-lb.

Bottom 5.

Bottom temperature

No. of Thermometer 61 75.1 Cor. —

Corrected temperature 45.3

Air 51 Surface 52 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |       | TURNS. | DREDGE ROPE. |     |
|----------------|-------|--------|--------------|-----|
| DOWN.          | UP.   |        | DOWN.        | UP. |
|                | 46.30 | 0      | 1.46-00      |     |
| 35.32          | 7.45  | 100    |              |     |
|                |       | 200    |              |     |
|                |       | 300    |              |     |
|                |       | 400    |              |     |
|                |       | 500    |              |     |
|                |       | 600    |              |     |
|                |       | 700    |              |     |
|                |       | 800    |              |     |
|                |       | 900    |              |     |
|                |       | 1000   |              |     |
|                |       | 1100   |              |     |
|                |       | 1200   |              |     |
|                |       | 1300   |              |     |
|                |       | 1400   |              |     |
|                |       | 1500   |              |     |
|                |       | 1600   |              |     |
|                |       | 1700   |              |     |
|                |       | 1800   |              |     |
|                |       | 1900   |              |     |
|                |       | 2000   |              |     |
|                |       | 2100   |              |     |
|                |       | 2200   |              |     |
|                |       | 2300   |              |     |
|                |       | 2400   |              |     |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

### REMARKS.

1. *Stomach* & *abdomen*  
*Octopus* *1.5 Sec. P*  
*small shells* *2 sec.*  
 2. *Transects*

No. 3150 Dr. Date March 11

Machine. Reel.

Turns 45 Cor. + 2 Depth 47

Shot or lead, 25 lbs

Bottom fine grit

Bottom temperature  $50.6^{\circ}$ 

No. of Thermometer 617 51 Cor. +

Corrected temperature  $50.6^{\circ}$ Air  $51^{\circ}$  Surface  $53^{\circ}$  Drift.  $1\frac{1}{2}$  m S  $\frac{3}{4}$  E

Trawl or dredge or tangles Large Barn

| SOUNDING WIRE. |     | TURNS. | DREDGE ROPE. |     |
|----------------|-----|--------|--------------|-----|
| DOWN.          | UP. |        | DOWN.        | UP. |
|                |     | 0      |              |     |
|                |     | 100    |              |     |
|                |     | 200    |              |     |
|                |     | 300    |              |     |
|                |     | 400    |              |     |
|                |     | 500    |              |     |
|                |     | 600    |              |     |
|                |     | 700    |              |     |
|                |     | 800    |              |     |
|                |     | 900    |              |     |
|                |     | 1000   |              |     |
|                |     | 1100   |              |     |
|                |     | 1200   |              |     |
|                |     | 1300   |              |     |
|                |     | 1400   |              |     |
|                |     | 1500   |              |     |
|                |     | 1600   |              |     |
|                |     | 1700   |              |     |
|                |     | 1800   |              |     |
|                |     | 1900   |              |     |
|                |     | 2000   |              |     |
|                |     | 2100   |              |     |
|                |     | 2200   |              |     |
|                |     | 2300   |              |     |
|                |     | 2400   |              |     |

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

30 *itineris*. *Citrus* *lebii*

No. 21 - 875' Date 11/15/1873

Journal Machine. Reel.

Turns 36 Cor. + 1 Depth 37

Shot or lead 25 lbs.

Bottom 8 fms.

Bottom temperature 51.7

No. of Thermometer 61.751 Cor. + 0.3°

Corrected temperature 52°

Air 53 Surface 53 Drift.

Trawl or dredge or tangles —

| SOUNDING_WIRE. |     | TURNs. | DREDGE_ROPE. |     |
|----------------|-----|--------|--------------|-----|
| DOWN.          | UP. |        | DOWN.        | UP. |
|                |     | 0      |              |     |
|                |     | 100    |              |     |
|                |     | 200    |              |     |
|                |     | 300    |              |     |
|                |     | 400    |              |     |
|                |     | 500    |              |     |
|                |     | 600    |              |     |
|                |     | 700    |              |     |
|                |     | 800    |              |     |
|                |     | 900    |              |     |
|                |     | 1000   |              |     |
|                |     | 1100   |              |     |
|                |     | 1200   |              |     |
|                |     | 1300   |              |     |
|                |     | 1400   |              |     |
|                |     | 1500   |              |     |
|                |     | 1600   |              |     |
|                |     | 1700   |              |     |
|                |     | 1800   |              |     |
|                |     | 1900   |              |     |
|                |     | 2000   |              |     |
|                |     | 2100   |              |     |
|                |     | 2200   |              |     |
|                |     | 2300   |              |     |
|                |     | 2400   |              |     |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       | °            |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

~~1000~~  
No. 91501 Date 11/27/1910

Tanner Machine. Reel.

Turns 38 Cor. + 1 Depth 39

Shot or lead 25 lbs.

Bottom Reel.

Bottom temperature 51

No. of Thermometer 61751 Cor. + 0.3

Corrected temperature 51.3°

Air 53 Surface 53 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |         | URNS. | DREDGE ROPE. |     |
|----------------|---------|-------|--------------|-----|
| DOWN.          | UP.     |       | DOWN.        | UP. |
| 10-7-15        | 10-8-15 | 0     |              |     |
|                |         | 100   |              |     |
|                |         | 200   |              |     |
|                |         | 300   |              |     |
|                |         | 400   |              |     |
|                |         | 500   |              |     |
|                |         | 600   |              |     |
|                |         | 700   |              |     |
|                |         | 800   |              |     |
|                |         | 900   |              |     |
|                |         | 1000  |              |     |
|                |         | 1100  |              |     |
|                |         | 1200  |              |     |
|                |         | 1300  |              |     |
|                |         | 1400  |              |     |
|                |         | 1500  |              |     |
|                |         | 1600  |              |     |
|                |         | 1700  |              |     |
|                |         | 1800  |              |     |
|                |         | 1900  |              |     |
|                |         | 2000  |              |     |
|                |         | 2100  |              |     |
|                |         | 2200  |              |     |
|                |         | 2300  |              |     |
|                |         | 2400  |              |     |

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| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2160 Thyd Date March 22/90  
 Arrived Machine. Reel.

Turns 43 Cor. + 2 Depth 15'

Shot or lead 25 lbs.

Bottom 8 fms R Ry

Bottom temperature 50.2

No. of Thermometer 61751 Cor. + 0.3°

Corrected temperature 50.8°

Air 55 Surface 53 Drift.

Trawl or dredge or tangles

| SOUNDING-WIRE. |         | TURNS. | DREDGE-ROPE. |     |
|----------------|---------|--------|--------------|-----|
| DOWN.          | UP.     |        | DOWN.        | UP. |
| 10-14-0        | 10-15-0 | 0      |              |     |
|                |         | 100    |              |     |
|                |         | 200    |              |     |
|                |         | 300    |              |     |
|                |         | 400    |              |     |
|                |         | 500    |              |     |
|                |         | 600    |              |     |
|                |         | 700    |              |     |
|                |         | 800    |              |     |
|                |         | 900    |              |     |
|                |         | 1000   |              |     |
|                |         | 1100   |              |     |
|                |         | 1200   |              |     |
|                |         | 1300   |              |     |
|                |         | 1400   |              |     |
|                |         | 1500   |              |     |
|                |         | 1600   |              |     |
|                |         | 1700   |              |     |
|                |         | 1800   |              |     |
|                |         | 1900   |              |     |
|                |         | 2000   |              |     |
|                |         | 2100   |              |     |
|                |         | 2200   |              |     |
|                |         | 2300   |              |     |
|                |         | 2400   |              |     |

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| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

100

No. 2161 Hydro Date 11 March 1910

Yankee Machine. Reel.

Turns 78 Cor. + 1 Depth 29

Shot or lead 15 110.

Bottom 0' my.

Bottom temperature 51.1

No. of Thermometer 6175 Cor. + 0.3°

Corrected temperature 51.4°

Air Surface 53 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |     | TURNS. | DREDGE ROPE. |     |
|----------------|-----|--------|--------------|-----|
| DOWN.          | UP. |        | DOWN.        | UP. |
|                |     | 0      |              |     |
|                |     | 100    |              |     |
|                |     | 200    |              |     |
|                |     | 300    |              |     |
|                |     | 400    |              |     |
|                |     | 500    |              |     |
|                |     | 600    |              |     |
|                |     | 700    |              |     |
|                |     | 800    |              |     |
|                |     | 900    |              |     |
|                |     | 1000   |              |     |
|                |     | 1100   |              |     |
|                |     | 1200   |              |     |
|                |     | 1300   |              |     |
|                |     | 1400   |              |     |
|                |     | 1500   |              |     |
|                |     | 1600   |              |     |
|                |     | 1700   |              |     |
|                |     | 1800   |              |     |
|                |     | 1900   |              |     |
|                |     | 2000   |              |     |
|                |     | 2100   |              |     |
|                |     | 2200   |              |     |
|                |     | 2300   |              |     |
|                |     | 2400   |              |     |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 315-8 W Date March 23

Tanner Machine. Reel.

Turns 78 Cor. + 1 Depth 29

Shot or lead 25 lbs

Bottom

Bottom temperature 51.1

No. of Thermometer 61751 Cor. + 0.3

Corrected temperature 51.4°

Air 53 Surface 53 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |         |
|----------------|---------|--------|--------------|---------|
| DOWN.          | UP.     |        | DOWN.        | UP.     |
| 10-50-0        | 10-51-0 | 0      | 10-51-0      | 11-61-0 |
|                |         | 100    |              |         |
|                |         | 200    |              |         |
|                |         | 300    |              |         |
|                |         | 400    |              |         |
|                |         | 500    |              |         |
|                |         | 600    |              |         |
|                |         | 700    |              |         |
|                |         | 800    |              |         |
|                |         | 900    |              |         |
|                |         | 1000   |              |         |
|                |         | 1100   |              |         |
|                |         | 1200   |              |         |
|                |         | 1300   |              |         |
|                |         | 1400   |              |         |
|                |         | 1500   |              |         |
|                |         | 1600   |              |         |
|                |         | 1700   |              |         |
|                |         | 1800   |              |         |
|                |         | 1900   |              |         |
|                |         | 2000   |              |         |
|                |         | 2100   |              |         |
|                |         | 2200   |              |         |
|                |         | 2300   |              |         |
|                |         | 2400   |              |         |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

507

112

No. 8159 On Date March 22/190

Ann of Machine. — Reel.

Turns 26 Cor. + 1 Depth 27

Shot or lead 25 lbs /

Bottom 12 fms

Bottom temperature

No. of Thermometer — Cor.

Corrected temperature

Air 53 Surface 53 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |     | TURNS. | DREDGE ROPE. |         |
|----------------|-----|--------|--------------|---------|
| DOWN.          | UP. |        | DOWN.        | UP.     |
|                | 0   | 45     | 11-22-0      | 11-22-0 |
|                |     | 100    |              | 20      |
|                |     | 200    |              |         |
|                |     | 300    |              |         |
|                |     | 400    |              |         |
|                |     | 500    |              |         |
|                |     | 600    |              |         |
|                |     | 700    |              |         |
|                |     | 800    |              |         |
|                |     | 900    |              |         |
|                |     | 1000   |              |         |
|                |     | 1100   |              |         |
|                |     | 1200   |              |         |
|                |     | 1300   |              |         |
|                |     | 1400   |              |         |
|                |     | 1500   |              |         |
|                |     | 1600   |              |         |
|                |     | 1700   |              |         |
|                |     | 1800   |              |         |
|                |     | 1900   |              |         |
|                |     | 2000   |              |         |
|                |     | 2100   |              |         |
|                |     | 2200   |              |         |
|                |     | 2300   |              |         |
|                |     | 2400   |              |         |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

### REMARKS.

Star Fish  
Rud. Coral  
cup Coral

No. 3160 Dr. Date March 21/0.

Diameter Machine. Reel.

Turns 81 Cor. + Depth 39

Shot or lead 25 lbs.

Bottom 187

Bottom temperature 51.4

No. of Thermometer Cor. +

Corrected temperature 51.8°

Air 52 Surface 52 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |      | TURNS. | DREDGE ROPE. |       |
|----------------|------|--------|--------------|-------|
| DOWN.          | UP.  |        | POW.         | DOWN. |
| 1100           | 1100 | 0      |              |       |
|                |      | 100    |              |       |
|                |      | 200    |              |       |
|                |      | 300    |              |       |
|                |      | 400    |              |       |
|                |      | 500    |              |       |
|                |      | 600    |              |       |
|                |      | 700    |              |       |
|                |      | 800    |              |       |
|                |      | 900    |              |       |
|                |      | 1000   |              |       |
|                |      | 1100   |              |       |
|                |      | 1200   |              |       |
|                |      | 1300   |              |       |
|                |      | 1400   |              |       |
|                |      | 1500   |              |       |
|                |      | 1600   |              |       |
|                |      | 1700   |              |       |
|                |      | 1800   |              |       |
|                |      | 1900   |              |       |
|                |      | 2000   |              |       |
|                |      | 2100   |              |       |
|                |      | 2200   |              |       |
|                |      | 2300   |              |       |
|                |      | 2400   |              |       |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2162 Hyd. Date March 22<sup>nd</sup> 1891.

Machine. — Reel.

Turns 317 Cor. + 7 Depth 35

Shot or lead 25 lbs.

Bottom 18.7 °

Bottom temperature 42 °

No. of Thermometer 61 751 Cor. —

Corrected temperature 42 °

Air 52 Surface 53 Drift. —

Trawl or dredge or tangles

| SOUNDING WIRE. |     | TURNS. | DREDGE ROPE. |     |
|----------------|-----|--------|--------------|-----|
| DOWN.          | UP. |        | DOWN.        | UP. |
|                |     | 0      |              |     |
|                |     | 100    |              |     |
|                |     | 200    |              |     |
| 3.1            |     | 300    |              |     |
| 0.2            |     | 400    |              |     |
|                |     | 500    |              |     |
|                |     | 600    |              |     |
|                |     | 700    |              |     |
|                |     | 800    |              |     |
|                |     | 900    |              |     |
|                |     | 1000   |              |     |
|                |     | 1100   |              |     |
|                |     | 1200   |              |     |
|                |     | 1300   |              |     |
|                |     | 1400   |              |     |
|                |     | 1500   |              |     |
|                |     | 1600   |              |     |
|                |     | 1700   |              |     |
|                |     | 1800   |              |     |
|                |     | 1900   |              |     |
|                |     | 2000   |              |     |
|                |     | 2100   |              |     |
|                |     | 2200   |              |     |
|                |     | 2300   |              |     |
|                |     | 2400   |              |     |

|      |
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| 2500 |
| 2600 |
| 2700 |
| 2800 |
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| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 3161 Date Mar.  
 zig-zag Machine. 2 Reel.  
 Turns 175 Cor. + 16 Depth 1 fms.  
 Shot or lead 38 lbs.

Bottom true 8.

Bottom temperature 44.5°

No. of Thermometer 61 751 Cor. -

Corrected temperature 44.5°

Air 52 Surface 52 Drift. N.W.

Trawl or dredge or tangle None found and

| SOUNDING WIRE. |       | TURNS. | DREDGE ROPE. |       |
|----------------|-------|--------|--------------|-------|
| DOWN.          | UP.   |        | DOWN.        | UP.   |
|                | 1.000 | 0      |              |       |
|                | 1.000 | 100    |              |       |
|                | 1.000 | 200    |              |       |
|                |       | 300    |              |       |
|                |       | 400    |              |       |
|                | 1.500 | 500    | 1.000        | 2.000 |
|                |       | 600    |              |       |
|                |       | 700    |              |       |
|                |       | 800    |              |       |
|                |       | 900    |              |       |
|                |       | 1000   |              |       |
|                |       | 1100   |              |       |
|                |       | 1200   |              |       |
|                |       | 1300   |              |       |
|                |       | 1400   |              |       |
|                |       | 1500   |              |       |
|                |       | 1600   |              |       |
|                |       | 1700   |              |       |
|                |       | 1800   |              |       |
|                |       | 1900   |              |       |
|                |       | 2000   |              |       |
|                |       | 2100   |              |       |
|                |       | 2200   |              |       |
|                |       | 2300   |              |       |
|                |       | 2400   |              |       |

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| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

*Mud bag*

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

#### REMARKS.

*12 ft. 7 min. 6 sec. 30. 1000 ft. 11 sec. 20 ft. 10 sec.*

No. 2163 Hyd. Date Mech. 22/1/10  
 Sledge Machine. #2 Reel.  
 Turns 825 Cor. + 75 Depth  
 Shot or lead 381.

Bottom 971 M.

Bottom temperature 36.8°

No. of Thermometer 61° 51 Cor.

Corrected temperature 36.8°

Air 5.2 Surface 5.3 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |        | TURNS. | DREDGE ROPE. |     |
|----------------|--------|--------|--------------|-----|
| DOWN.          | UP.    |        | DOWN.        | UP. |
| " 32.45        | 52.35  | 0      |              |     |
| 23.30          | 51.45  | 100    |              |     |
| 4.20           | 51.00  | 200    |              |     |
| 35.11          | 50.15  | 300    |              |     |
|                | 51.15  | 400    |              |     |
|                | 41.15  | 500    |              |     |
| 28.50          | 47.35  | 600    |              |     |
| 140.15         | 177.00 | 700    |              |     |
| 41.5           | 43.15  | 800    |              |     |
|                | 3.45.7 | 900    |              |     |
|                |        | 1000   |              |     |
|                |        | 1100   |              |     |
|                |        | 1200   |              |     |
|                |        | 1300   |              |     |
|                |        | 1400   |              |     |
|                |        | 1500   |              |     |
|                |        | 1600   |              |     |
|                |        | 1700   |              |     |
|                |        | 1800   |              |     |
|                |        | 1900   |              |     |
|                |        | 2000   |              |     |
|                |        | 2100   |              |     |
|                |        | 2200   |              |     |
|                |        | 2300   |              |     |
|                |        | 2400   |              |     |

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| 2500 |
| 2600 |
| 2700 |
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| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 62 Date 22<sup>nd</sup> 1888

Jig-gee Machine. 2 Reel.

Turns 376 Cor. + 47

Depth 553 fms

Shot or lead 38 lbs

Bottom in 736

Bottom temperature 39°

No. of Thermometer 61751 Cor. —

Corrected temperature 39°

Air on Surface 53 Drift. 2 1/2' N x W

Trawl or dredge or tangles

| SOUNDING WIRE. |       | TURNS. | DREDGE ROPE. |            |
|----------------|-------|--------|--------------|------------|
| DOWN.          | UP.   |        | DOWN.        | UP.        |
| 34.4           | 27.11 | 0      | 2.500        | 1.15       |
| 36.15          | 4.15  | 100    | 5.500        | 2.75       |
| 37.10          | 1.517 | 200    | 58.15        | 2.1        |
| 39.15          | 2.513 | 300    | 55.01.15     | 1.10       |
| 40.20          | 1.5   | 400    | 04.0         | 1.34       |
| 41.32          | 1.83  | 500    | —            | 16.45      |
|                |       | 600    | —            | 11.30      |
|                |       | 700    | —            | 68.30      |
|                |       | 800    | —            | 64.15      |
|                |       | 900    | —            | 00.45      |
|                |       | 1000   | 20.00        | 37.10      |
|                |       | 1100   | 2.3          | 57.46-56.4 |
|                |       | 1200   | —            |            |
|                |       | 1300   | —            |            |
|                |       | 1400   | —            |            |
|                |       | 1500   | —            |            |
|                |       | 1600   | —            |            |
|                |       | 1700   | —            |            |
|                |       | 1800   | —            |            |
|                |       | 1900   | —            |            |
|                |       | 2000   | —            |            |
|                |       | 2100   | —            |            |
|                |       | 2200   | —            |            |
|                |       | 2300   | —            |            |
|                |       | 2400   | —            |            |

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| 2500 |
| 2600 |
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| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

1 *Aulonocaris*, few deep water  
shrimps, 1 small fish  
Crab not come up fast.

No. 1 Date 12.22.00

Liebel Machine 2 Reel.

Turns 64 Cor. + 5 Depth 69 fms

Shot or lead 38 lbs

Bottom fine gy 1

Bottom temperature 48.3°

No. of Thermometer 61751 Cor.

Corrected temperature 48.6°

Air Surface Drift. 7° N.E. N

Trawl or dredge or tangles

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |         |
|----------------|---------|--------|--------------|---------|
| DOWN.          | UP.     |        | DOWN.        | UP.     |
| 06 15          | 10.12   | 0      | 7.19.40      | 53.10   |
| 109            | 7.08.25 | 100    | 26.05        | 7.50 00 |
|                |         | 200    |              |         |
|                |         | 300    |              |         |
|                |         | 400    |              |         |
|                |         | 500    |              |         |
|                |         | 600    |              |         |
|                |         | 700    |              |         |
|                |         | 800    |              |         |
|                |         | 900    |              |         |
|                |         | 1000   |              |         |
|                |         | 1100   |              |         |
|                |         | 1200   |              |         |
|                |         | 1300   |              |         |
|                |         | 1400   |              |         |
|                |         | 1500   |              |         |
|                |         | 1600   |              |         |
|                |         | 1700   |              |         |
|                |         | 1800   |              |         |
|                |         | 1900   |              |         |
|                |         | 2000   |              |         |
|                |         | 2100   |              |         |
|                |         | 2200   |              |         |
|                |         | 2300   |              |         |
|                |         | 2400   |              |         |

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| 2500 |
| 2600 |
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| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

### REMARKS.

3 p.m. Lat. 41° 20' S. Long. 112° 15' E. -  
 (8 species) 1/2 m. from bottom of sand  
 10' 18' from 1/2 m. depth. 3-4 in.  
 (10) crinoids. 20-30 large oblong  
 a few smallish. 2 species of bivalves  
 10' 18' from 1/2 m. depth.

507  
No. 81511 Date 11 Dec 3/70

Machine. Reel.

Turns 179 Cor. + 2 Depth 6

Shot or lead 25 lbs

Bottom Rky

Bottom temperature 48.5

No. of Thermometer 61741 Cor. -

Corrected temperature 48.5°

Air 49 Surface 50 Drift. 14.8 18.5

Trawl or dredge or tangles 17.7 14

| SOUNDING WIRE. |        | TURNS. | DREDGE ROPE. |      |
|----------------|--------|--------|--------------|------|
| DOWN.          | UP.    |        | DOWN.        | UP.  |
| 531-0          | 532-20 | 0      |              | 19-0 |
|                |        | 100    | 13           |      |
|                |        | 200    |              |      |
|                |        | 300    |              |      |
|                |        | 400    |              |      |
|                |        | 500    |              |      |
|                |        | 600    |              |      |
|                |        | 700    |              |      |
|                |        | 800    |              |      |
|                |        | 900    |              |      |
|                |        | 1000   |              |      |
|                |        | 1100   |              |      |
|                |        | 1200   |              |      |
|                |        | 1300   |              |      |
|                |        | 1400   |              |      |
|                |        | 1500   |              |      |
|                |        | 1600   |              |      |
|                |        | 1700   |              |      |
|                |        | 1800   |              |      |
|                |        | 1900   |              |      |
|                |        | 2000   |              |      |
|                |        | 2100   |              |      |
|                |        | 2200   |              |      |
|                |        | 2300   |              |      |
|                |        | 2400   |              |      |

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| 2500 |
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| 2700 |
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| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

3 Verillia?  
few Shells  
at

No. 3165 Jr. Date March 23/90

Number Machine. — Reel.

Turns 48 Cor. + 2 Depth 50

Shot or lead 25

Bottom 4 m. off

Bottom temperature 49

No. of Thermometer 61 Cor. —

Corrected temperature 49

Air 49 Surface 3 Drift 10° 15°

Trawl or dredge or tangles 8 min.

| SOUNDING WIRE. |        | TURNS. | DREDGE ROPE. |         |
|----------------|--------|--------|--------------|---------|
| DOWN.          | UP.    |        | DOWN.        | UP.     |
| 6-30-30        | 6-32-0 | 0      | 6-32-30      | 50-0    |
|                |        | 100    | 85-0         | 8-46-30 |
|                |        | 200    |              |         |
|                |        | 300    |              |         |
|                |        | 400    |              |         |
|                |        | 500    |              |         |
|                |        | 600    |              |         |
|                |        | 700    |              |         |
|                |        | 800    |              |         |
|                |        | 900    |              |         |
|                |        | 1000   |              |         |
|                |        | 1100   |              |         |
|                |        | 1200   |              |         |
|                |        | 1300   |              |         |
|                |        | 1400   |              |         |
|                |        | 1500   |              |         |
|                |        | 1600   |              |         |
|                |        | 1700   |              |         |
|                |        | 1800   |              |         |
|                |        | 1900   |              |         |
|                |        | 2000   |              |         |
|                |        | 2100   |              |         |
|                |        | 2200   |              |         |
|                |        | 2300   |              |         |
|                |        | 2400   |              |         |

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| 2500 |
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| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

110 fathoms

Or. Date March 7, 1882

M. M. M.

Machine. - Reel.

Turns 40 Cor. + 2 Depth 1/2

Shot or lead 25 lbs.

Bottom on m.

Bottom temperature 50

No. of Thermometer 61751 Cor. 1/3

Corrected temperature 50

Air 52 Surface 52 Drift. m.

Trawl or dredge or tangles 0 m.

| SOUNDING WIRE. |     | TURNS. | DREDGE ROPE. |     |
|----------------|-----|--------|--------------|-----|
| DOWN.          | UP. |        | DOWN.        | UP. |
|                |     | 0      | 2            | 2   |
|                |     | 100    | 2            | 2   |
|                |     | 200    |              |     |
|                |     | 300    |              |     |
|                |     | 400    |              |     |
|                |     | 500    |              |     |
|                |     | 600    |              |     |
|                |     | 700    |              |     |
|                |     | 800    |              |     |
|                |     | 900    |              |     |
|                |     | 1000   |              |     |
|                |     | 1100   |              |     |
|                |     | 1200   |              |     |
|                |     | 1300   |              |     |
|                |     | 1400   |              |     |
|                |     | 1500   |              |     |
|                |     | 1600   |              |     |
|                |     | 1700   |              |     |
|                |     | 1800   |              |     |
|                |     | 1900   |              |     |
|                |     | 2000   |              |     |
|                |     | 2100   |              |     |
|                |     | 2200   |              |     |
|                |     | 2300   |              |     |
|                |     | 2400   |              |     |

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| 2500 |
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| 3100 |
| 3200 |
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| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

### REMARKS.

40 fms. 30°. 6 larv. Crabs.  
Star fish.

No. 117 Date Mar. 23<sup>rd</sup> 1881

Machine. — Reel.

Turns 32 Cor. + 1 Depth 3

Shot or lead 25 lbs.

Bottom gn. M.

Bottom temperature 49.5°

No. of Thermometer 61751 Cor. -

Corrected temperature 49.5°

Air 53° Surface 52° Drift.

Trawl or dredge or tangles small sea

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

| DOWN. | UP. | 0    | DOWN. | UP. |
|-------|-----|------|-------|-----|
|       |     | 100  |       |     |
|       |     | 200  |       |     |
|       |     | 300  |       |     |
|       |     | 400  |       |     |
|       |     | 500  |       |     |
|       |     | 600  |       |     |
|       |     | 700  |       |     |
|       |     | 800  |       |     |
|       |     | 900  |       |     |
|       |     | 1000 |       |     |
|       |     | 1100 |       |     |
|       |     | 1200 |       |     |
|       |     | 1300 |       |     |
|       |     | 1400 |       |     |
|       |     | 1500 |       |     |
|       |     | 1600 |       |     |
|       |     | 1700 |       |     |
|       |     | 1800 |       |     |
|       |     | 1900 |       |     |
|       |     | 2000 |       |     |
|       |     | 2100 |       |     |
|       |     | 2200 |       |     |
|       |     | 2300 |       |     |
|       |     | 2400 |       |     |

2500  
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2800  
2900  
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3800  
3900  
4000

Lia 1111  
SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

2 large Hag fish - *Myrophis glutinosa*  
1 small Star fish  
2 small Star fishes  
1 small *Claytonia*.

No. 3161 Date 11/11  
Ganner Machine. — Reel. —

Turns 58 Cor. + 2 Depth 60 fms

Shot or lead 2.5 lbs

Bottom 51 + 5

Bottom temperature 49.7°

No. of Thermometer 61 75° Cor.

Corrected temperature 49.7°

Air 51 Surface 51 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |     |
|----------------|---------|--------|--------------|-----|
| DOWN.          | UP.     |        | DOWN.        | UP. |
| 9.09.20        | 11.48   | 0      |              |     |
| 09.55          | 9.10.02 | 100    |              |     |
|                |         | 200    |              |     |
|                |         | 300    |              |     |
|                |         | 400    |              |     |
|                |         | 500    |              |     |
|                |         | 600    |              |     |
|                |         | 700    |              |     |
|                |         | 800    |              |     |
|                |         | 900    |              |     |
|                |         | 1000   |              |     |
|                |         | 1100   |              |     |
|                |         | 1200   |              |     |
|                |         | 1300   |              |     |
|                |         | 1400   |              |     |
|                |         | 1500   |              |     |
|                |         | 1600   |              |     |
|                |         | 1700   |              |     |
|                |         | 1800   |              |     |
|                |         | 1900   |              |     |
|                |         | 2000   |              |     |
|                |         | 2100   |              |     |
|                |         | 2200   |              |     |
|                |         | 2300   |              |     |
|                |         | 2400   |              |     |

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| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2165 ~~log~~ Date Mar. 21 1888

Tanner Machine.—Reel.

Turns 38 Cor. + 1 Depth 39 m.

Shot or lead 256 lbs

Bottom R

Bottom temperature 50.9°

No. of Thermometer 61751 Cor. +0.3

Corrected temperature 51.2°

Air 51 Surface 51 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |     |
|----------------|---------|--------|--------------|-----|
| DOWN.          | UP.     |        | DOWN.        | UP. |
| 28.45          | 30.00   | 0      |              |     |
| 29.05          | 9.28-15 | 100    |              |     |
|                |         | 200    |              |     |
|                |         | 300    |              |     |
|                |         | 400    |              |     |
|                |         | 500    |              |     |
|                |         | 600    |              |     |
|                |         | 700    |              |     |
|                |         | 800    |              |     |
|                |         | 900    |              |     |
|                |         | 1000   |              |     |
|                |         | 1100   |              |     |
|                |         | 1200   |              |     |
|                |         | 1300   |              |     |
|                |         | 1400   |              |     |
|                |         | 1500   |              |     |
|                |         | 1600   |              |     |
|                |         | 1700   |              |     |
|                |         | 1800   |              |     |
|                |         | 1900   |              |     |
|                |         | 2000   |              |     |
|                |         | 2100   |              |     |
|                |         | 2200   |              |     |
|                |         | 2300   |              |     |
|                |         | 2400   |              |     |

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| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2166 Rev Date Mar. 24 '00

Yankee Machine. — Reel.

Turns 34 Cor. + 1 Depth 35 fms

Shot or lead 25 lbs

Bottom Rely

Bottom temperature

No. of Thermometer — Cor.

Corrected temperature

Air 51 Surface 51 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |           | TURNS. | DREDGE ROPE. |     |
|----------------|-----------|--------|--------------|-----|
| DOWN.          | UP.       |        | DOWN.        | UP. |
| 913.57.00      | 913.71.00 | 0      |              |     |
|                |           | 100    |              |     |
|                |           | 200    |              |     |
|                |           | 300    |              |     |
|                |           | 400    |              |     |
|                |           | 500    |              |     |
|                |           | 600    |              |     |
|                |           | 700    |              |     |
|                |           | 800    |              |     |
|                |           | 900    |              |     |
|                |           | 1000   |              |     |
|                |           | 1100   |              |     |
|                |           | 1200   |              |     |
|                |           | 1300   |              |     |
|                |           | 1400   |              |     |
|                |           | 1500   |              |     |
|                |           | 1600   |              |     |
|                |           | 1700   |              |     |
|                |           | 1800   |              |     |
|                |           | 1900   |              |     |
|                |           | 2000   |              |     |
|                |           | 2100   |              |     |
|                |           | 2200   |              |     |
|                |           | 2300   |              |     |
|                |           | 2400   |              |     |

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| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2167 Key Date Mar. 20 1900

metr Machine. Reel.

Turns 36 Cor. + 1 Depth 3

Shot or lead 15 lbs

Bottom 15 fms

Bottom temperature 51°

No. of Thermometer 61751 Cor. +0.3

Corrected temperature 51.3

Air 52 Surface 52 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |     | TURNS. | DREDGE ROPE. |     |
|----------------|-----|--------|--------------|-----|
| DOWN.          | UP. |        | DOWN.        | UP. |
|                |     | 0      |              |     |
|                |     | 100    |              |     |
|                |     | 200    |              |     |
|                |     | 300    |              |     |
|                |     | 400    |              |     |
|                |     | 500    |              |     |
|                |     | 600    |              |     |
|                |     | 700    |              |     |
|                |     | 800    |              |     |
|                |     | 900    |              |     |
|                |     | 1000   |              |     |
|                |     | 1100   |              |     |
|                |     | 1200   |              |     |
|                |     | 1300   |              |     |
|                |     | 1400   |              |     |
|                |     | 1500   |              |     |
|                |     | 1600   |              |     |
|                |     | 1700   |              |     |
|                |     | 1800   |              |     |
|                |     | 1900   |              |     |
|                |     | 2000   |              |     |
|                |     | 2100   |              |     |
|                |     | 2200   |              |     |
|                |     | 2300   |              |     |
|                |     | 2400   |              |     |

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| 2500 |
| 2600 |
| 2700 |
| 2800 |
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| 3000 |
| 3100 |
| 3200 |
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| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

507-  
No. 2168 Head Date 21.2.19

Machine. Reel.

Turns 29 Cor. + / Depth 30 fms

Shot or lead 25

Bottom

Bottom temperature 51.3°

No. of Thermometer 61.5. Cor. + 0.3

Corrected temperature 51.3°

Air 52 Surface 52 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |     | TURNS. | DREDGE ROPE. |     |
|----------------|-----|--------|--------------|-----|
| DOWN.          | UP. |        | DOWN.        | UP. |
|                |     | 0      |              |     |
|                |     | 100    |              |     |
|                |     | 200    |              |     |
|                |     | 300    |              |     |
|                |     | 400    |              |     |
|                |     | 500    |              |     |
|                |     | 600    |              |     |
|                |     | 700    |              |     |
|                |     | 800    |              |     |
|                |     | 900    |              |     |
|                |     | 1000   |              |     |
|                |     | 1100   |              |     |
|                |     | 1200   |              |     |
|                |     | 1300   |              |     |
|                |     | 1400   |              |     |
|                |     | 1500   |              |     |
|                |     | 1600   |              |     |
|                |     | 1700   |              |     |
|                |     | 1800   |              |     |
|                |     | 1900   |              |     |
|                |     | 2000   |              |     |
|                |     | 2100   |              |     |
|                |     | 2200   |              |     |
|                |     | 2300   |              |     |
|                |     | 2400   |              |     |

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| 2500 |
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| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 3 82 Date Ma

Tanner & Machine. - Reel.

Turns Cor. + Depth 3.

Shot or lead 25-65

Bottom Key & lo

Bottom temperature

No. of Thermometer Cor. -

Corrected temperature

Air 52 Surface 52 Drift. 5 W

Trawl or dredge or tangles

| SOUNDING WIRE. |      | TURNS. | DREDGE ROPE. |     |
|----------------|------|--------|--------------|-----|
| DOWN.          | UP.  |        | DOWN.        | UP. |
|                | 0    | 0      | 10-36-18     | 52  |
|                | 100  | 54     | 38-20        | 52  |
|                | 200  |        | 19           |     |
|                | 300  |        | 18           |     |
|                | 400  |        | 17           |     |
|                | 500  |        | 16           |     |
|                | 600  |        | 15           |     |
|                | 700  |        | 14           |     |
|                | 800  |        | 13           |     |
|                | 900  |        | 12           |     |
|                | 1000 |        | 11           |     |
|                | 1100 |        | 10           |     |
|                | 1200 |        | 9            |     |
|                | 1300 |        | 8            |     |
|                | 1400 |        | 7            |     |
|                | 1500 |        | 6            |     |
|                | 1600 |        | 5            |     |
|                | 1700 |        | 4            |     |
|                | 1800 |        | 3            |     |
|                | 1900 |        | 2            |     |
|                | 2000 |        | 1            |     |
|                | 2100 | 28     | 2            | 1   |
|                | 2200 |        |              |     |
|                | 2300 |        |              |     |
|                | 2400 |        |              |     |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
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|  | 3000 |  |
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|  | 3200 |  |
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|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. (°) | NO. OF THER. | COR. | COR. TEMP. |
|--------|-----------|--------------|------|------------|
| 25     |           |              |      |            |
| 50     |           |              |      |            |
| 100    |           |              |      |            |
| 200    |           |              |      |            |
| 300    |           |              |      |            |
| 400    |           |              |      |            |
| 500    |           |              |      |            |
| 600    |           |              |      |            |
| 700    |           |              |      |            |
| 800    |           |              |      |            |
| 900    |           |              |      |            |
| 1000   |           |              |      |            |

REMARKS.

Were caught in bottom  
Coral thermometer 617. 40 m. in  
T 1-25th sec

2nd Coral & sponge

6/13  
607

No. 2167 run Date May 21

Anilox Machine. — Reel.

Turns 38 Cor. + 2 Depth 40

Shot on lead 25-6

Bottom Rely

Bottom temperature (°) —

No. of Thermometer — Cor.

Corrected temperature —

Air 52° Surface 52° Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |       | TURNS. | DREDGE ROPE. |     |
|----------------|-------|--------|--------------|-----|
| DOWN.          | UP.   |        | DOWN.        | UP. |
| 00.15          | 06.30 | 0      |              |     |
|                |       | 100    |              |     |
|                |       | 200    |              |     |
|                |       | 300    |              |     |
|                |       | 400    |              |     |
|                |       | 500    |              |     |
|                |       | 600    |              |     |
|                |       | 700    |              |     |
|                |       | 800    |              |     |
|                |       | 900    |              |     |
|                |       | 1000   |              |     |
|                |       | 1100   |              |     |
|                |       | 1200   |              |     |
|                |       | 1300   |              |     |
|                |       | 1400   |              |     |
|                |       | 1500   |              |     |
|                |       | 1600   |              |     |
|                |       | 1700   |              |     |
|                |       | 1800   |              |     |
|                |       | 1900   |              |     |
|                |       | 2000   |              |     |
|                |       | 2100   |              |     |
|                |       | 2200   |              |     |
|                |       | 2300   |              |     |
|                |       | 2400   |              |     |

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| 2500 |
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| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 1 New Date Mar. 24.

Wind Machine. — Reel.

Turns 33 Cor. + 2 Depth 51

Shot or lead 25 lbs

Bottom Cro. Sh. + 1/2 Sh

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature

Air 52° Surface 52° Drift.

Trawl or dredge or tangles —

| SOUNDING WIRE. |     | TURNS. | DREDGE ROPE. |     |
|----------------|-----|--------|--------------|-----|
| DOWN.          | UP. |        | DOWN.        | UP. |
|                |     | 0      |              |     |
|                |     | 100    |              |     |
|                |     | 200    |              |     |
|                |     | 300    |              |     |
|                |     | 400    |              |     |
|                |     | 500    |              |     |
|                |     | 600    |              |     |
|                |     | 700    |              |     |
|                |     | 800    |              |     |
|                |     | 900    |              |     |
|                |     | 1000   |              |     |
|                |     | 1100   |              |     |
|                |     | 1200   |              |     |
|                |     | 1300   |              |     |
|                |     | 1400   |              |     |
|                |     | 1500   |              |     |
|                |     | 1600   |              |     |
|                |     | 1700   |              |     |
|                |     | 1800   |              |     |
|                |     | 1900   |              |     |
|                |     | 2000   |              |     |
|                |     | 2100   |              |     |
|                |     | 2200   |              |     |
|                |     | 2300   |              |     |
|                |     | 2400   |              |     |

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| 2500 |
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| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2174 Day Date Mar. 24 9

Danner Machine. — Reel.

Turns 63 Cor. + 2 Depth 65 fms.

Shot or lead 25' - 6 lbs

Bottom 94.0. 6.6

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 52 Surface 52 Drift.

Trawl or dredge or tangles —

| SOUNDING WIRE. |          | TURNS. | DREDGE ROPE. |     |
|----------------|----------|--------|--------------|-----|
| DOWN.          | UP.      |        | DOWN.        | UP. |
| 11.26.30       | 28.48    | 0      |              |     |
| 22.05          | 11.26.30 | 100    |              |     |
|                |          | 200    |              |     |
|                |          | 300    |              |     |
|                |          | 400    |              |     |
|                |          | 500    |              |     |
|                |          | 600    |              |     |
|                |          | 700    |              |     |
|                |          | 800    |              |     |
|                |          | 900    |              |     |
|                |          | 1000   |              |     |
|                |          | 1100   |              |     |
|                |          | 1200   |              |     |
|                |          | 1300   |              |     |
|                |          | 1400   |              |     |
|                |          | 1500   |              |     |
|                |          | 1600   |              |     |
|                |          | 1700   |              |     |
|                |          | 1800   |              |     |
|                |          | 1900   |              |     |
|                |          | 2000   |              |     |
|                |          | 2100   |              |     |
|                |          | 2200   |              |     |
|                |          | 2300   |              |     |
|                |          | 2400   |              |     |

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| 2500 |
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| 3700 |
| 3800 |
| 3900 |
| 4000 |

### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2172 By Date Mar. 24

Ganner Machine. — Reel.

Turns 135 Cor. + 4 Depth 139 fms

Shot or lead 25 lbs

Bottom 6.4 brk. d.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 55 Surface 55 Drift. —

Trawl or dredge or tangles —

| SOUNDING WIRE. |     | TURNS. | DREDGE ROPE. |     |
|----------------|-----|--------|--------------|-----|
| DOWN.          | UP. |        | DOWN.        | UP. |
|                |     | 0      |              |     |
|                |     | 100    |              |     |
|                |     | 200    |              |     |
|                |     | 300    |              |     |
|                |     | 400    |              |     |
|                |     | 500    |              |     |
|                |     | 600    |              |     |
|                |     | 700    |              |     |
|                |     | 800    |              |     |
|                |     | 900    |              |     |
|                |     | 1000   |              |     |
|                |     | 1100   |              |     |
|                |     | 1200   |              |     |
|                |     | 1300   |              |     |
|                |     | 1400   |              |     |
|                |     | 1500   |              |     |
|                |     | 1600   |              |     |
|                |     | 1700   |              |     |
|                |     | 1800   |              |     |
|                |     | 1900   |              |     |
|                |     | 2000   |              |     |
|                |     | 2100   |              |     |
|                |     | 2200   |              |     |
|                |     | 2300   |              |     |
|                |     | 2400   |              |     |

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| 2500 |
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| 3700 |
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| 3900 |
| 4000 |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2173 260 Date 11/11

Janvier Machine. — Reel.

Turns 71 Cor. + 2 Depth 72 fms.

Shot or lead 25-600

Bottom ~~18X~~

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 53 Surface 55 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |      | TURNS. | DREDGE ROPE. |     |
|----------------|------|--------|--------------|-----|
| DOWN.          | UP.  |        | DOWN.        | UP. |
| 11.50.40       | 32.3 | 0      |              |     |
|                |      | 100    |              |     |
|                |      | 200    |              |     |
|                |      | 300    |              |     |
|                |      | 400    |              |     |
|                |      | 500    |              |     |
|                |      | 600    |              |     |
|                |      | 700    |              |     |
|                |      | 800    |              |     |
|                |      | 900    |              |     |
|                |      | 1000   |              |     |
|                |      | 1100   |              |     |
|                |      | 1200   |              |     |
|                |      | 1300   |              |     |
|                |      | 1400   |              |     |
|                |      | 1500   |              |     |
|                |      | 1600   |              |     |
|                |      | 1700   |              |     |
|                |      | 1800   |              |     |
|                |      | 1900   |              |     |
|                |      | 2000   |              |     |
|                |      | 2100   |              |     |
|                |      | 2200   |              |     |
|                |      | 2300   |              |     |
|                |      | 2400   |              |     |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

801  
No. 2174 Key Date Mar. 24. 90

Tanner Machine. Reel.

Turns 34 Cor. + 2

Depth 56 fms

Shot or lead 25 lbs

Bottom brk sh.

Bottom temperature —

No. of Thermometer —

Cor. —

Corrected temperature —

Air 55 Surface 55 Drift.

Trawl or dredge or tangles —

| SOUNDING WIRE. |          | TURNS. | DREDGE ROPE. |     |
|----------------|----------|--------|--------------|-----|
| DOWN.          | UP.      |        | DOWN.        | UP. |
| 12-01-30       | 02-35    | 0      |              |     |
| 02-08          | 12-02-70 | 100    |              |     |
|                |          | 200    |              |     |
|                |          | 300    |              |     |
|                |          | 400    |              |     |
|                |          | 500    |              |     |
|                |          | 600    |              |     |
|                |          | 700    |              |     |
|                |          | 800    |              |     |
|                |          | 900    |              |     |
|                |          | 1000   |              |     |
|                |          | 1100   |              |     |
|                |          | 1200   |              |     |
|                |          | 1300   |              |     |
|                |          | 1400   |              |     |
|                |          | 1500   |              |     |
|                |          | 1600   |              |     |
|                |          | 1700   |              |     |
|                |          | 1800   |              |     |
|                |          | 1900   |              |     |
|                |          | 2000   |              |     |
|                |          | 2100   |              |     |
|                |          | 2200   |              |     |
|                |          | 2300   |              |     |
|                |          | 2400   |              |     |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

*St. L.*  
No. 217514. Date March 24/90

Tanner

Machine.

Reel.

Turns 38 Cor. + 1 Depth 34

Shot or lead 25 lbs.

Bottom R &amp; L.

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 55 Surface 55 Drift.

Trawl or dredge or tangles

| SOUNDING-WIRE. |          | TURNS. | DREDGE-ROPE. |  |
|----------------|----------|--------|--------------|--|
| P.W.           | DOWN.    |        | UP.          |  |
| 12-13-0        | 12-14-30 | 0      |              |  |
|                |          | 100    |              |  |
|                |          | 200    |              |  |
|                |          | 300    |              |  |
|                |          | 400    |              |  |
|                |          | 500    |              |  |
|                |          | 600    |              |  |
|                |          | 700    |              |  |
|                |          | 800    |              |  |
|                |          | 900    |              |  |
|                |          | 1000   |              |  |
|                |          | 1100   |              |  |
|                |          | 1200   |              |  |
|                |          | 1300   |              |  |
|                |          | 1400   |              |  |
|                |          | 1500   |              |  |
|                |          | 1600   |              |  |
|                |          | 1700   |              |  |
|                |          | 1800   |              |  |
|                |          | 1900   |              |  |
|                |          | 2000   |              |  |
|                |          | 2100   |              |  |
|                |          | 2200   |              |  |
|                |          | 2300   |              |  |
|                |          | 2400   |              |  |

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.